3Com® SuperStack® II Switches

Flexible, affordable 10/100/1000 Mbps stackable switches for boosting performance at the desktop, workgroup, and backbone

The SuperStack II family of switches makes high-performance, low-cost switching a reality at the desktop, workgroup, and backbone.

Key Benefits

Protects your investment. The 3Com SuperStack II switching family protects your investment by delivering low cost of ownership, end-to-end compatible solutions, and smooth migration from lower to higher bandwidth technologies.

Ships with 3Com Transcend® Network Supervisor. PC-based application providing powerful, yet easy-to-use network management tuned to the needs of small-to-medium enterprises.

Delivers the capabilities you need. Autosensing 10/100 Mbps, advanced stackability, multimedia, VLAN support, RMON, and Layer 3 switching help you to build the most efficient and responsive network for your company.

Year 2000 compliance. All SuperStack II switches are Year 2000 compliant.

+5 lifetime limited warranty. Available on SuperStack II Switch 610, 1100, 3300, 3300 FX, and 3300 XM.

Free 90-day telephone technical support. 3Com offers assistance with installation, configuration, and troubleshooting, in addition to the 3Com Knowledgebase Web service.

The only certainty in networks today is that bandwidth demands will continue to increase. As more complex and time-sensitive applications such as voice and video are created for the desktop, a higher volume of traffic is generated throughout the network. This results in network bottlenecks that can cause performance problems within workgroups, to and from servers, and across the backbone. Switching technology has proven to be the most cost-effective, flexible, and least disruptive way to add and manage bandwidth at every level of your network.

3Com has the broadest array of switching solutions to match your particular requirements. To safeguard your investment, we offer a family of stackable switches that delivers Ethernet, Fast Ethernet, Gigabit Ethernet, ATM technologies, and Layer 3 switching to solve any performance problem. No matter which product you start with today in one area of your network, you can be assured of a complete migration path and compatible solutions to take you to the next step tomorrow. And that covers everything from the desktop to the backbone.

Make any of the SuperStack® II switches part of a 3Com® SuperStack system. The SuperStack II product family offers scalable multitechnology connections, integrated management with a common look and feel, and optional uninterruptible and redundant power systems.

For those who require the high quality, reliability, and robustness of the 3Com SuperStack II family, but without management capabilities, the SuperStack II family of Baseline switches provides a cost-effective range of products in a variety of port densities.

LAN Switches

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SuperStack II Switches for All Your Technology Needs

Today, your desktop population probably requires a mix of 10 Mbps and 100 Mbps service to meet the individual demands of your users. As you deliver higher speeds to the desktop, server connections may become strained, so you need options to scale to Fast Ethernet, Gigabit Ethernet, or ATM for high-speed desktop and server connections as well as in the backbone. With the SuperStack II family of switches, you can support all of your bandwidth requirements with the appropriate technology and the appropriate level of control.

Ethernet

Today, Ethernet is the most popular topology for implementing local area networks. Ethernet provides bandwidth that can be either shared across a number of users using hubs, or dedicated to workstations using switched technology. The availability of low-cost Ethernet switches has also made it possible to deliver dedicated 10 Mbps full-duplex links to the desktop, for affordable high-performance, high-functionality, and highly manageable networks.

Fast Ethernet

Fast Ethernet, based on the Ethernet standard, is a high-speed technology that runs over your existing infrastructure, works with your existing management systems, and requires no retraining by your IT staff. Fast Ethernet is one of the most popular high-speed technologies because it's cost effective, stable, and compatible with existing Ethernet LAN environments. Fast Ethernet runs over fiber and copper. For greater performance, full-duplex is also supported.

10/100 Ethernet/Fast Ethernet

10/100 Ethernet/Fast Ethernet with autosensing capability is one of the most economical and flexible ways to add bandwidth immediately—while maintaining migration options to higher bandwidth in the future. 10/100 technology combines conventional 10BASE-T and high-speed 100BASE-TX support in one device, delivering higher bandwidth to the desktop, aggregating 10/100 hubs, and maintaining the status quo for those who are efficiently served by 10 Mbps Ethernet. With 10/100 autosensing functionality, there is no need to configure individual switched ports. The switch automatically senses the speed of the connected end device (either 10 Mbps or 100 Mbps) and channels the data through at the appropriate speed.

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Gigabit Ethernet

Gigabit Ethernet retains the traditional simplicity and manageability of Ethernet and Fast Ethernet, making it easy to integrate with existing LAN equipment. It allows a tenfold increase in backbone bandwidth over Fast Ethernet with minimal impact on support staff. The extra bandwidth helps you deal with unplanned changes and additions to the network, and frees you from constantly tuning the network. Gigabit Ethernet is a powerful backbone/server solution because it delivers phenomenal bandwidth cost effectively, preserves the Ethernet frame format, and works with your existing traffic management systems.

ATM

ATM is an established LAN backbone technology that offers significant benefits to larger organizations by providing tight integration between LAN and WAN environments and offering high levels of resilience and redundancy. In the LAN environment, OC-3c (155 Mbps) and OC-12c (622 Mbps) connections are used to communicate across the network. While these connections do not provide the raw bandwidth of Gigabit Ethernet, ATM provides alternative methods for delivering effective backbone solutions, such as Quality of Service (QoS), which guarantees bandwidth to applications. The control offered by ATM enables the deterministic delivery of applications and services in complex network environments.

Layer 3 Switching

Intranets and extranets, while proving indispensable for companies of all sizes, are also causing new traffic management problems. Hypertext links between servers and e-mails create any-to-any traffic that are overwhelming legacy LAN routers. As a result, companies are experiencing more bottlenecks between subnetworks. Layer 3 switching solves these intranet bottleneck problems by embedding classical routing in the switch hardware that routes traffic at high speeds while intelligently isolating faults, containing broadcast traffic, and providing seamless subnet/VLAN connections.

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SuperStack® II Systems

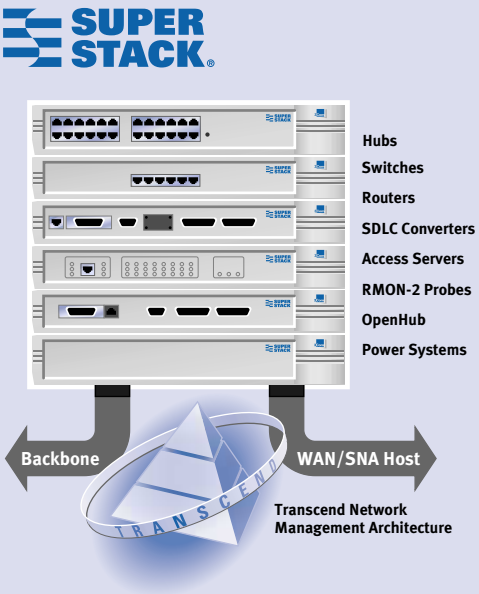
The 3Com® SuperStack® II system gives you a flexible, cost-effective connectivity solution for local, wide area, and SNA networks. You can combine diverse technologies and network services in one stacked system, strengthen it with uninterruptible and redundant power systems, and manage it all with Transcend® network management and control solutions.

As an important part of the 3Com Transcend Networking framework, SuperStack II systems will meet your evolving network needs—future proofing your network investment.

A single SuperStack II system provides connections for a range of network environments and protocols: Ethernet, Fast Ethernet, Layer 3 switching, Gigabit Ethernet, Token Ring, FDDI, ISDN, X.25, Frame Relay, and ATM. Depending on your needs, you can build SuperStack II systems for virtually any network environment. Capabilities include:

- Hubs for flexible workgroup connectivity that feature SNMP, RMON, and Web-based management
- Industry-leading physical layer support for Token Ring networks, including Token Ring switching
- Full SNMP, RMON, and Web-based management for Ethernet, Fast Ethernet, Gigabit Ethernet switches, as well as a dedicated RMON-1/RMON-2 probe
- Full range of switches to increase performance in high-speed client/server LANs
- Full, multiprotocol network access for telecommuters or users at other off-site locations
- Routing between central site and branch offices using innovative Boundary Routing® architecture or conventional routing software for multiple WAN choices, including ISDN
- SNA-to-LAN conversion linking local and remote offices to an SNA host system
- Choice of power systems to ensure uninterrupted network operation

For smaller offices of fewer than 20 users, our OfficeConnect® products can be used to complement SuperStack II systems.



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Features Supported for SuperStack II Switches

	Stackable with matrix module & cable	Transcend network management support	Web-based management	Ships with Transcend Network Supervisor	Flow control (IEEE 802.3x)	IEEE 802.1D (incorporating 802.1p)	Dual queues	RMON support	Disconnect Unauthorized Device (Security)	Roving Analysis Port	PACE technology	Half-duplex Flow Control
SuperStack II Baseline 10/100 Switch					●							●
SuperStack II Switch 610		●	●	●	●	●	●	●	●	●	●	●
SuperStack II Switch 2200		●						●		●		
SuperStack II Switch 2700		●						●				
SuperStack II Switch 1100	●	●	●	●	●	●	●	●	●	●	●	●
SuperStack II Switch 3300	●	●	●	●	●	●	●	●	●	●	●	●
SuperStack II Switch 3300 XM	●	●	●	●	●	●	●	●	●	●	●	●
SuperStack II Switch 3300 FX	●	●	●	●	●	●	●	●	●	●	●	●
SuperStack II Switch 3800		●		●	●	●	●	●			●	●
SuperStack II Switch 3900		●	●	●	●	●	●	●		●		
SuperStack II Switch 9000		●		●	●	●	●	●			●	●
SuperStack II Switch 9100		●	●	●	●	●	●	●		●	●	●
SuperStack II Switch 9300		●	●	●	●	●	●	●		●		

■ Optional—Achieved with SuperStack II Switch Layer 3 plug-in module

Features

Stackability

Four SuperStack II Switch 1100 or Switch 3300 units can be interconnected to form a stack that offers unrivaled performance and management features.

Each unit has a built-in connector at the rear of the unit called the matrix port. Two units can be connected back-to-back with a SuperStack II Switch matrix cable. To connect more than two units, a SuperStack II matrix module can be inserted into the high-speed module slot of one of the units in the stack, and a matrix cable can be used to connect to each switch in the stack.

Stacking provides the user with a plethora of benefits. These include the ability to manage in excess of 100 ports as a single logical entity. Configuration is therefore faster and simpler. Stacking also provides the user with the optional resilient IP addresses across the stack. Thus if a failure should occur, the resilient IP address can be used for management stacking using the SuperStack II Switch matrix module and cable, keeping front panel ports free and increasing the number of matrix ports in an aggregated system.

Management

Transcend® network management

All SuperStack II switches are managed by 3Com Transcend® network management and control solutions. Transcend solutions give you end-to-end visibility and control over all devices in your network with two levels of management: 1) technologies, such as embedded SmartAgent® software and RMON, within 3Com devices throughout the network, and 2) centralized highly automated applications at the network center for monitoring, configuring, and troubleshooting all devices in the network.

Ships with 3Com Transcend Network Supervisor

This PC-based application provides powerful, yet easy-to-use network management tuned to the needs of small-to-medium enterprises. Network devices are automatically discovered and network activity and stress monitored through an intuitive graphical interface focused on the tasks and information all managers need to take control of their network.

Web-based management

Manage your switches with any Web browser, either through direct or dial-up connection or across the LAN. This delivers ease of use and accessibility to network management personnel and reduces in-service costs, but still with full security.

Security—Disconnect Unauthorized Device (DUD)

LAN security architecture with DUD automatically disconnects unauthorized devices from the LAN.

Roving Analysis Port (RAP)

RAP allows a network analyzer attached to any unit in a stack to monitor any of the switch ports or virtual LANs (VLANs) in the stack. It also minimizes the time required for problem determination and resolution and maximizes switch uptime, thereby lowering your cost of ownership.

RMON support

Transcend software's powerful combination of RMON (Remote Monitoring, a superset of SNMP MIB II) and embedded SmartAgent software reduces the processing burden on your management station, minimizes network traffic, and saves time by automatically monitoring and analyzing your network. RMON tells you at a glance how the network is performing and who is using it the most. And Transcend software gives you the added benefit of RMON features in your network without the processing and memory costs usually associated with RMON. See the At-a-Glance RMON Support table on page 24 for details on RMON groups supported by SuperStack II switches.

Class of Service (CoS)

CoS can be defined simply as a method for prioritizing various traffic types. 3Com switches can support two methods of enabling CoS on Ethernet networks. The first method is IEEE 802.1D (incorporating 802.1p), which enables eight levels of prioritization; and the second method is 3Com's innovative PACE® technology, which allows the user to specify certain applications as high priority. A hardware feature, dual queues, is used to exploit these traffic prioritization schemes; the dual queues function—required for CoS—will

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IFM	Intelligent switching mode	Full duplex on all ports	Broadcast traffic control	UPS backup power supplies	ARPS/Type 2 backup power supplies	Resilient links	Spanning tree	Trunking	VLAN (IEEE 802.1Q)	VLAN (VLT)	Multicast filtering using IGMP snooping	Fast IP	Layer 3 switching
		●		●	●								
	●	●	●	●	●	●	●	●	●	●	●	●	
		●					●						
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		●	●	●	●	●	●	●	●	●	●	●	■
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		●	●		●		●	●	●		●	●	
		●		●			●	●	●				●
		●	●				●	●	●		●		
		●	●	●	●		●	●	●		●	●	

automatically enable a second port buffer for high-priority traffic thereby allowing the traffic to bypass lower priority data for faster processing within the switch.

Traffic Management

Flow control

Flow control is an essential switch feature that eliminates dropped packets on congested ports. To provide switch application flexibility, 3Com switches support flow control schemes suited to both full- and half-duplex environments. Intelligent Flow Management (IFM) is a solution designed to work in half duplex, for example, a hub aggregation application. A solution using IEEE 802.3x is also supported and designed for full-duplex connections, such as desktop switching; this method of flow control is set automatically using the autosensing features of SuperStack II switches.

Broadcast traffic control

Traditional Ethernet switches suffer from the threat of broadcast storms that can potentially bring networks to a halt. However, all SuperStack II switches can be configured with broadcast storm protection to limit the number of broadcast packets allowed to be forwarded by each port. This allows the SuperStack II switches to offer the security of broadcast storm protection normally associated with a router while also providing the protocol independence of a switch.

Network Availability

Backup power supplies

3Com gives you all the choices you need to ensure constant power to your stackable switches. Both the Advanced Redundant Power System (ARPS) and the Uninterruptible Power System (UPS) work with any SuperStack II switch. The ARPS is ideally suited as a backup for individual power supplies in the SuperStack II units. The UPS fully protects your SuperStack II system from the effects of brownouts or spikes that occur in outside power lines.

Resilient links

3Com's simple and flexible resilient links technology ensures fault tolerance via redundant connections to other network devices.

Spanning tree

Support for the industry-standard IEEE 802.1D spanning tree protocol is provided as an alternative to resilient links. This protects against network loops and can be used to provide redundant network paths.

Port trunking

Port trunking establishes backbone links by treating multiple parallel links as a single network pipe. Trunking also provides link redundancy; traffic on any failed link comprising a network trunk automatically switches over to the other links in the trunk.

VLANs

VLANs allow PCs, workstations, and other resources, including printers and file servers, to be organized into logical, broadcast domains so that only devices within the same domain can communicate with each other. 3Com switches allow users to implement VLANs on their network using one of two schemes: IEEE 802.1Q, including GVRP, which enables the auto-learning of VLANs, or 3Com's VLT. Both methods allow for the configuration of VLANs based on ports and/or MAC addresses for maximum flexibility and security. For 802.1Q VLANs, a port on a switch can be assigned to a VLAN; all other switches learn about that VLAN when the switches automatically communicate that knowledge via the GVRP protocol.

Switches supporting both VLAN schemes can be used to provide seamless migration from VLT to IEEE 802.1Q environments that preserve investment in current LAN developments and equipment.

Layer 3 Support

Multicast filtering using IGMP snooping

Multicast filtering enables the automatic configuration of filters for IP multicast traffic, such as video and audio broadcasts, allowing advanced multimedia applications to be delivered easily to the workgroup.

Fast IP

Fast IP is 3Com's standards-based cut-through routing solution for all types of legacy routing network backbones. This reduces traffic flow through router bottlenecks and maximizes performance by utilizing the switched infrastructure.

Layer 3 switching

Layer 3 switching is the implementation of routing protocols in leading-edge ASIC technology. Routing performance is dramatically and cost effectively boosted to enable the widespread deployment of intranets (IP-based networking).

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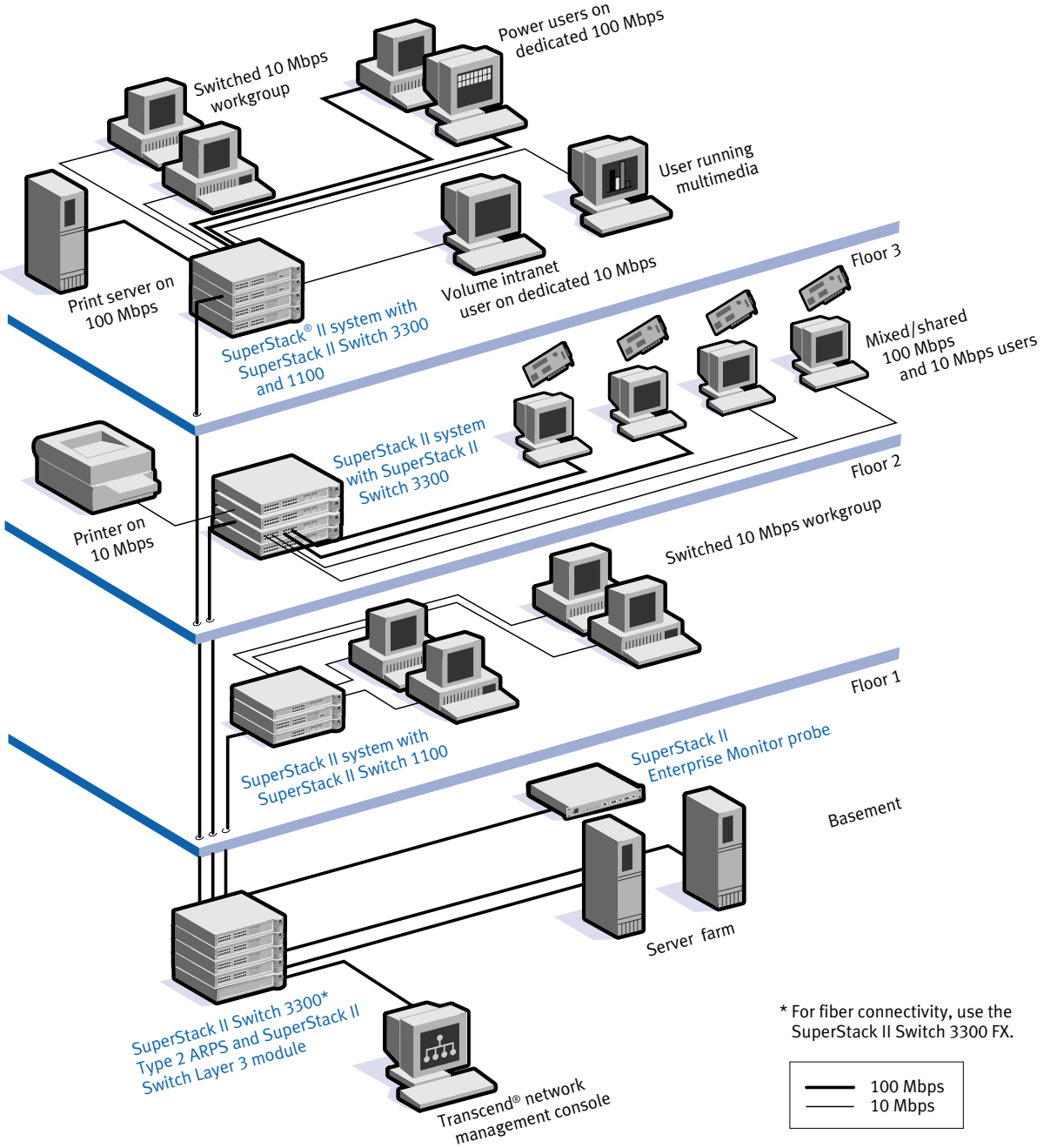
Power users on dedicated 100 Mbps
Switched 10 Mbps workgroup
User running multimedia
Print server on 100 Mbps
SuperStack® II system with SuperStack II Switch 3300 and 1100
Volume intranet user on dedicated 10 Mbps
Floor 3
Mixed/shared 100 Mbps and 10 Mbps users
SuperStack II system with SuperStack II Switch 3300
Printer on 10 Mbps
Floor 2
Switched 10 Mbps workgroup
SuperStack II system with SuperStack II Switch 1100
SuperStack II Enterprise Monitor probe
Floor 1
Basement
Server farm
SuperStack II Switch 3300* Type 2 ARPS and SuperStack II Switch Layer 3 module
Transcend® network management console
* For fiber connectivity, use the SuperStack II Switch 3300 FX.
100 Mbps
10 Mbps

Fast Ethernet LAN and WAN connectivity

A medium-sized corporation supporting a mixture of switched and shared workgroups has a central Fast Ethernet backbone.

In the basement, a stack of SuperStack II Switch 3300s provides Fast Ethernet 10/100 Mbps links to the floors and 10/100 connections for local servers, and it also provides the ability to scale to Gigabit Ethernet when needed. The entire network is managed at the Transcend network management console or via Web-based management at any browser. Intranet traffic is managed simply and cost effectively when a SuperStack II Switch Layer 3 module is plugged into a SuperStack II Switch 3300.

On the first floor, a stack of SuperStack II Switch 1100s provides dedicated switched 10 Mbps for those users using simple applications such as mail.

On the second floor, the SuperStack II Dual Speed Hub 500 with a mixture of 100 Mbps and 10 Mbps users is connected to a switched 100 Mbps backbone via the data center SuperStack II Switch 3300 stack.

On the third floor, a SuperStack II Switch 1100 and 3300 stack provides dedicated switched 10 Mbps and 10/100 Mbps to power users for transferring large files and multimedia traffic.

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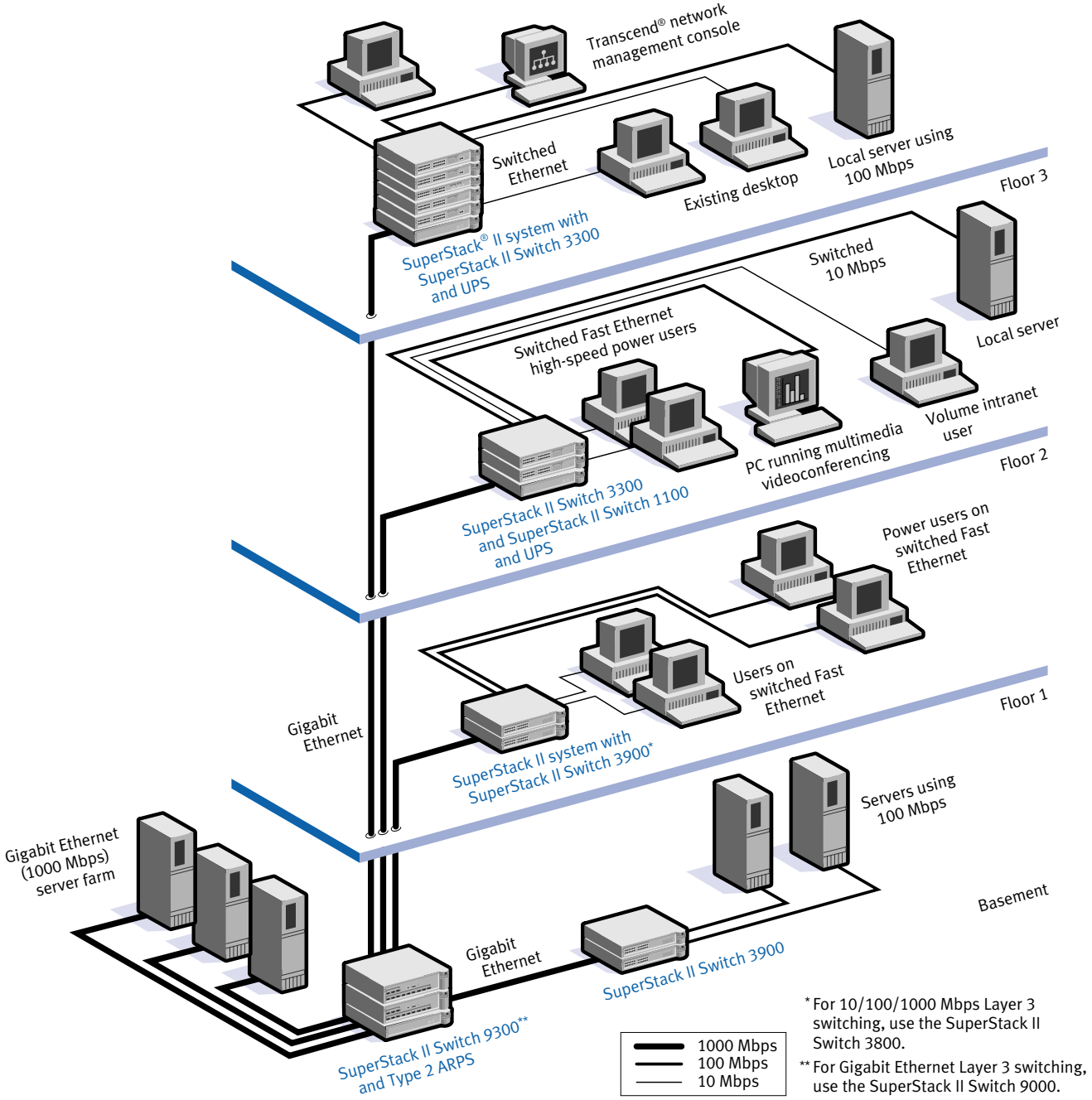
Transcend® network management console
Switched Ethernet
Existing desktop
Local server using 100 Mbps
Floor 3
SuperStack® II system with SuperStack II Switch 3300 and UPS
Switched 10 Mbps
Local server
Switched Fast Ethernet high-speed power users
Volume intranet user
PC running multimedia videoconferencing
Floor 2
SuperStack II Switch 3300 and SuperStack II Switch 1100 and UPS
Power users on switched Fast Ethernet
Users on switched Fast Ethernet
Gigabit Ethernet
Floor 1
SuperStack II system with SuperStack II Switch 3900*
Servers using 100 Mbps
Gigabit Ethernet (1000 Mbps) server farm
Basement
Gigabit Ethernet
SuperStack II Switch 3900
SuperStack II Switch 9300** and Type 2 ARPS
1000 Mbps
100 Mbps
10 Mbps

* For 10/100/1000 Mbps Layer 3 switching, use the SuperStack II Switch 3800.

** For Gigabit Ethernet Layer 3 switching, use the SuperStack II Switch 9000.

Gigabit Ethernet LAN and WAN connectivity

An organization supporting a mixture of 10/100 Mbps switched and shared desktop connections has migrated to a Gigabit Ethernet backbone.

3Com has taken an early lead in the Gigabit Ethernet market by providing the ability to utilize this new high-speed technology while protecting your existing network infrastructure investment.

In this configuration, the SuperStack II system in the basement comprises a Switch 9300, a Switch 3900, and an Advanced Redundant Power System for added resilience. The Switch 9300 provides the Gigabit Ethernet switching backbone and links to Gigabit Ethernet servers while the Switch 3900 provides unconstrained access to a large Fast Ethernet server farm. This configuration provides the fastest backbone solution and fastest server access for all floors.

On the first floor, the SuperStack II Switch 3900 provides line-rate services to power users directly connected to switched Fast Ethernet ports.

On the second floor, the SuperStack II Switch 3300 and Switch 1100 provide network connectivity to switched 10 Mbps and 100 Mbps users, and the use of an optional SuperStack II Switch 1000BASE-SX module provides Gigabit Ethernet support.

On the third floor, the SuperStack II Switch 3300 provides line-rate services to power users on switched Fast Ethernet as well as switched 10 Mbps services to less demanding users, and connects shared 10 Mbps and 10/100 hubs to the Gigabit Ethernet backbone. The network is managed at the Transcend network management console.

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SuperStack II Baseline 10/100 Switches

The 3Com SuperStack II Baseline 10/100 switches provide the highest performance product in the SuperStack II Baseline family. Delivering the power of switched Fast Ethernet while automatically sensing the speed of the connected devices, the SuperStack II Baseline switches are ideal for any environment where raw power and performance are needed, but management is not required. The Baseline 10/100 switches can be used as an aggregation device connecting to other switches or hubs, or to provide cost-effective, high-performance desktop connections.

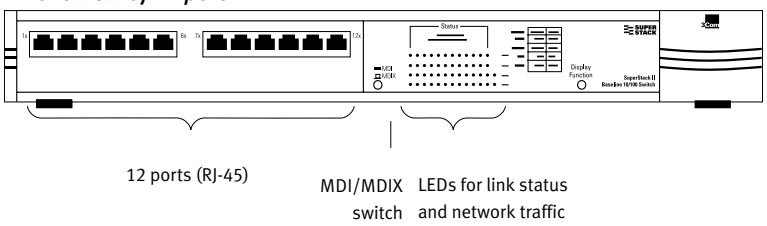
The Baseline 10/100 switches provide 12 or 24 10/100BASE-TX (Fast Ethernet) switched ports that automatically detect the speed of connected devices, optimizing network performance to 100BASE-TX, where applicable. The SuperStack II Baseline switches are unmanaged and work straight out of the box.

Key features include:

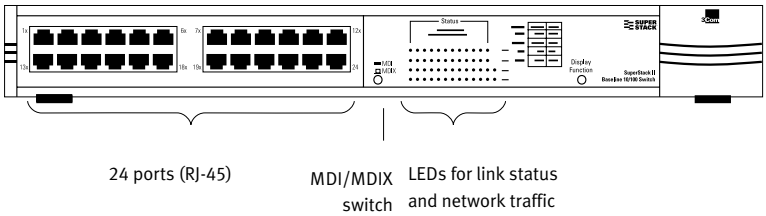
- 12 or 24 RJ-45 10BASE-T/100BASE-TX autosensing ports provide the ultimate in high-speed switching connectivity.
- Autonegotiating full-/half-duplex operation on each port doubles the speed of each network connection to 200 Mbps.
- MAC addresses support up to 4,000 network devices on your local area network.
- IEEE 802.3x Flow Control ensures network traffic is not lost during peaks in traffic rates on high-throughput, full-duplex links.

SuperStack II Baseline 10/100 Switches

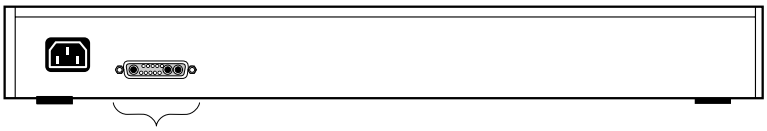
Front view of 12 port



Front view of 24 port



Back view



- 19” size for easy installation in a wiring closet. A rackmounting kit is supplied. The product can also be used free-standing.
- Diagnostic LEDs indicate network traffic and port status of each port, making it easy to spot-check faults and check individual port status.
- 3Com lifetime limited warranty
- Connection for the SuperStack II Advanced Redundant Power System provides ultimate protection against network downtime. The SuperStack II Advanced Redundant Power System and Uninterruptible Power System are also available from 3Com.

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SuperStack II Switch 610 for Ethernet and Fast Ethernet

When you need low-cost 10 Mbps and 10/100 Mbps switching coupled with high levels of performance and manageability, then look no further than the SuperStack II Switch 610.

The SuperStack II Switch 610 is based on the high-performance BRASICA™ II architecture found in the SuperStack II Switch 1100 and 3300, offering high levels of performance and manageability at an unsurpassed price.

About the Switch

The SuperStack II Switch 610 is perfect for desktop connectivity and can support up to 6,000 MAC addresses.

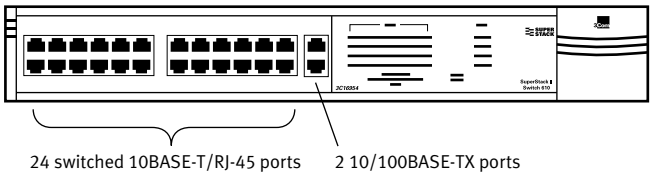
Switch 610 is available in a 24-port version and features two built-in autosensing 10/100 Mbps Fast Ethernet ports. (As with other SuperStack II switches, the Switch 610 features autosensing 10/100 Mbps ports that adjust for 10BASE-T and 100BASE-TX attached devices.) It automatically provides full-duplex/half-duplex capability on all ports to boost bandwidth for servers and power users.

The SuperStack II Switch 610 supports the following features:

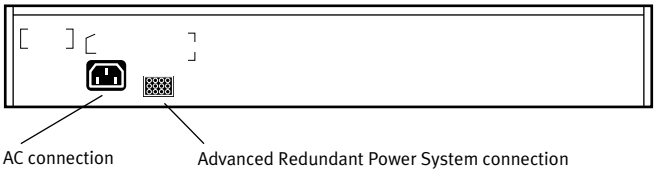
- Web browser interface to locate management and configuration functions
- Resilient links and spanning tree
- Optional SuperStack II backup power supplies

SuperStack II Switch 610

Front view of 24 port



Back view



- Elastic port buffering, enabling on-the-fly allocation of memory for automatic performance optimization based on network traffic
- RMON - 7 groups and RAP
- Dual queues to facilitate traffic prioritization
- Multicast filtering using IGMP snooping/GMRP
- Flow control improves performance and minimizes packet loss under heavy network loading
- VLT VLAN tagging protects investment infrastructure
- 802.1Q standard-based VLANs with GVRP support to facilitate dynamic VLAN membership

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SuperStack II Switch 1100/3300 Family for Ethernet, 10/100 Fast Ethernet, and Fiber Switching

Companies today realize that the booming e-business marketplace is providing them with amazing growth opportunities. To take advantage of these opportunities and sustain this growth, IT managers must find a way to boost network performance in synch with their evolving e-business requirements. 3Com has developed a family of modular, stackable switches designed to help fast-growing companies add power and performance to their networks easily, economically, and with minimum disruption.

The SuperStack II Switch 1100/3300 family includes four high-performance switches that can be mixed and matched to achieve the perfect combination of cost and features for desktop, workgroup, and backbone aggregation. This is the first family of switches that enables IT managers to create a "virtual stack" of different switches that act as one logical switch—providing an easy and affordable way to build performance and capabilities into the network as needed.

Each switch has a built-in matrix port connector at the rear of the unit. Two units can be connected with a low-cost SuperStack II Switch matrix cable; three or more units can be stacked using a SuperStack II Switch matrix module that delivers high-speed/performance interswitch links—eliminating bottlenecks between switches. Stacked switches communicate through matrix ports, so you don't consume valuable Fast Ethernet or Gigabit Ethernet ports. You can mix and match multiple switches to create one virtual switch of up to 110 switched ports that is manageable as a single entity with a single IP address (note: multiple IP addresses can be supported to provide resilient stack management).

To make management even easier, the SuperStack II 1100/3300 family features Web-based monitoring and control, so IT staff can troubleshoot or configure a stack from any location. Embedded Remote Monitoring (RMON) support provides detailed information on network traffic. The switches also ship with 3Com Transcend Network Supervisor, an easy and automatic management solution specifically designed for small- and medium-sized businesses.

For added reliability, the switches support resilient links and spanning tree, as well as optional redundant power supplies.

In addition to this easy mix-and-match scalability, the SuperStack II Switch 1100/3300 family supports a broad range of expansion modules (such as Layer 3 switching, Gigabit Ethernet, or ATM support) to add connectivity or functionality as needed.

What's more, all four models share the same software, reducing training time and ensuring flawless interoperability. Companies can even bolster their e-business initiatives by adding voice and video to their networks with a rich traffic management feature set, including:

- Policy enforcement with Fast IP, IGMP snooping, IEEE 802.1D (incorporating 802.1p prioritization), and IEEE 802.1Q standards-based VLANs
- Dual queues to help prioritize multimedia traffic
- Multicast filtering using IGMP snooping/GMRP for more efficient bandwidth utilization when transporting video traffic
- Elastic port buffering for on-the-fly port buffer memory allocation, enabling automatic performance optimization based on network traffic
- Flow control to maximize performance and minimize packet loss under heavy network loading
- Automatic detection of full-/half-duplex operation on all ports to maximize performance without manual configuration
- Trunking support to aggregate links into a single high-speed connection to other switches or backbone networks
- Optional Layer 3 switching to increase network performance by off-loading legacy routers and controlling broadcast/multimedia traffic

All models in the SuperStack II Switch 1100/3300 family come with the 3Com lifetime limited warranty, which includes 5 years of free advance hardware replacement (3Com will ship a new switch out to you even before you return the old one.). For extra assurance, you'll also receive 90 days of free telephone technical support, as well as free lifetime software upgrades.

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About the Switches

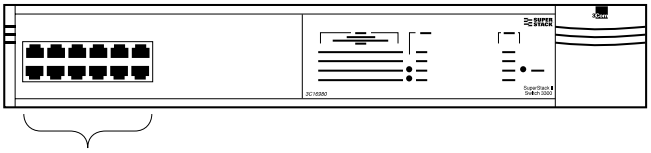
The SuperStack II Switch 3300: The SuperStack II Switch 3300 provides the smoothest migration to Fast Ethernet with 10/100 autosensing on all ports to adjust automatically to the speed of the attached devices. The SuperStack II Switch 3300 is available in 12- or 24-port versions and features an optional expansion modules slot.

The SuperStack II Switch 3300 XM: The SuperStack II Switch 3300 XM delivers the same capabilities as the SuperStack II Switch 3300, but without an expansion modules slot. The 24-port version allows you to add additional 10/100 Ethernet/Fast Ethernet ports to an existing SuperStack II Switch 1100/3300 in a cost-effective manner.

The SuperStack II Switch 3300 FX: The SuperStack II Switch 3300 FX offers the same capabilities as the SuperStack II Switch 3300, plus the added security and redundancy of fiber cabling support. It features eight multimode fiber Fast Ethernet ports, two autosensing 10/100 ports, and an optional expansion modules slot. The SuperStack II Switch 3300 FX is the ideal switch for interconnecting remote hubs and switches over fiber optic cabling.

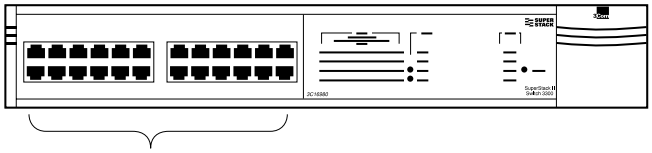
SuperStack II Switch 3300

*Front view of 12 port**



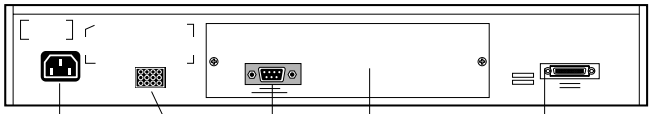
12 switched 10/100BASE-TX ports

Front view of 24 port



24 switched 10/100BASE-TX ports

Back view



AC connection

Advanced Redundant Power System connection

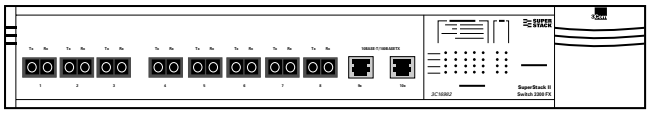
RS-232 port

Optional high-speed module slot (not available on 3300 XM model)

Matrix port

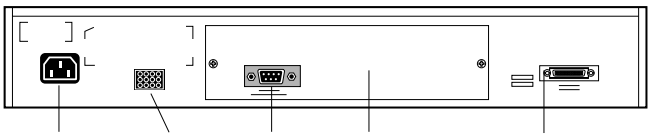
SuperStack II Switch 3300 FX

Front view



8 switched 100BASE-FX ports

Back view



AC connection

Advanced Redundant Power System connection

RS-232 port

Optional high-speed module slot

Matrix port

*SuperStack II Switch 3300 XM available in 24 port only.

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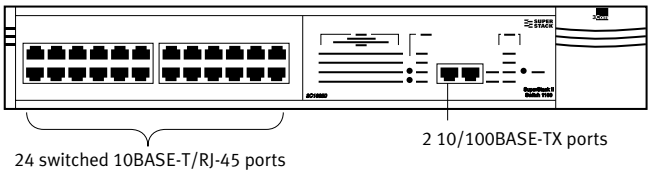
The SuperStack II Switch 1100: The SuperStack II Switch 1100 serves 10 Mbps Ethernet users and provides two 10/100 Fast Ethernet ports for high-speed access to servers, high performance workstations, or core switches. In addition, the switch features a transceiver slot for connecting to legacy networks. The SuperStack II Switch 1100 is available in 12- or 24-port versions and offers an optional expansion modules slot.

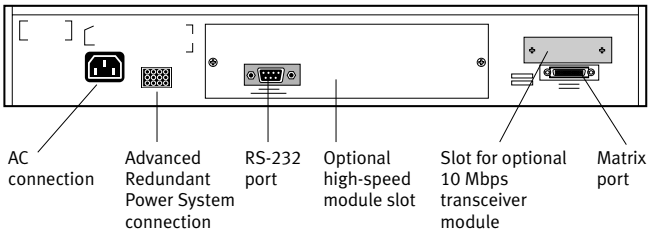
SuperStack II Switch 1100

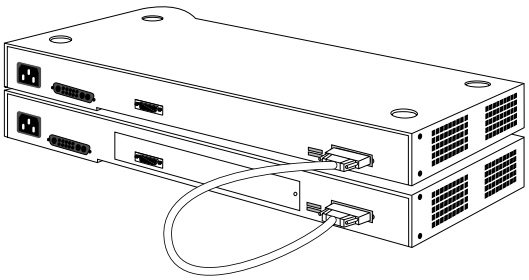
Front view of 12 port

Front view of 24 port



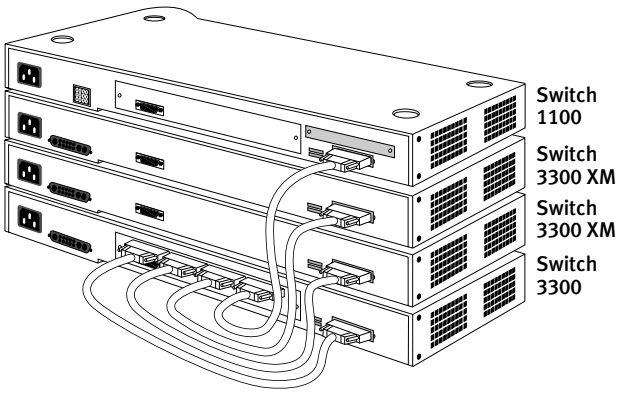
Back view





The SuperStack II Switch 1100 and Switch 3300 can be stacked up to two units high with just the SuperStack II Switch matrix cable.

- With a low-cost cable, users can double the port density with a 1 Gbps link between switches.
- Mix and match SuperStack II Switch 1100 and Switch 3300 to meet customer needs.
- Stack up to two units high—supporting up to 56 switched ports.



The SuperStack II Switch 1100 and Switch 3300 can be stacked up to four units high by using the SuperStack II Switch matrix module and SuperStack II Switch matrix cables.

- Mix and match Switch 1100 and Switch 3300 within the stack to meet customer needs.
- Stack up to four units high—supporting up to 110 switched ports.
- SuperStack II Switch matrix module supports 4 x 1 Gbps links between switches to create high-density switches without wasting Fast Ethernet or Gigabit Ethernet ports.

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SuperStack II Switch 1100 and SuperStack II Switch 3300 Optional High-Speed Accessories

SuperStack II Switch Matrix Module and Matrix Cable

The SuperStack II Switch matrix module and matrix cable let you mix and match SuperStack II Switch 1100s and 3300s to improve throughput, share downlinks, and ease management. Use the matrix cable to connect two Switch 1100s or Switch 3300s and the matrix module to connect up to four switches* while conserving Fast Ethernet ports. The matrix module's 4 x 1 Gbps backplane provides a 1 Gbps link between switches. Ultralow latency (maximum 300 nanoseconds) and hardware flow control ensure top performance at low cost. The entire stack can be managed as a single entity.

- Any switch port can be configured to support roving analysis across the stack for greater visibility into traffic flows and RMON data; the module supports IEEE 802.1D and 802.1Q standards for VLANs and Ethernet Class of Service (CoS).

*Each unit in a stack requires a matrix cable, including the unit that holds the matrix module.

SuperStack II Switch matrix module and SuperStack II Switch matrix cable

SuperStack II Switch 100BASE-FX Modules

The SuperStack II Switch 100BASE-FX module adds a fiber Fast Ethernet backbone link to your switched workgroup. The easy-to-install dual module is an excellent choice for resilient connections in mission-critical networks or when multiple fiber backbone connections are needed to and from the stack. A single high-speed backbone link can be shared by multiple units in a stack.

- Full-duplex Fast Ethernet provides 200 Mbps throughput and 2 kilometers distance on fiber.

SuperStack II Switch 100BASE-FX module

SuperStack II Switch Gigabit Ethernet Modules (1000BASE-SX, 1000BASE-LX, 1000BASE-T)

The SuperStack II Switch Gigabit Ethernet modules support high-performance, fault-tolerant interworkgroup and workgroup-to-backbone connections.The easy-to-install modules provide full-duplex Gigabit Ethernet up to 2 Gbps throughput, eliminating network bottlenecks.They support both 802.1D spanning tree and resilient links.

- The SuperStack II Switch 1000BASE-SX module offers a multimode fiber interface over distances up to 550 meters (for 50 micron for MMF).
- The SuperStack II Switch 1000BASE-LX module offers multimode and single-mode fiber interfaces over distances certified by 3Com up to 10 kilometers.
- The SuperStack II Switch 1000BASE-T module offers a Category 5 copper interface over distances up to 100 meters.

SuperStack II Switch 1000BASE-SX module

SuperStack II Switch 1000BASE-LX module

SuperStack II Switch 1000BASE-T module

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SuperStack II Switch 1100 and SuperStack II Switch 3300 Optional High-Speed Accessories (continued)

SuperStack II Switch Layer 3 Module

The SuperStack II Switch Layer 3 module lets you cost effectively add routing capabilities to your switched 10/100/1000 Mbps workgroups to boost intranet performance and off-load legacy routers of LAN traffic. SuperStack II Switch 1100, 3300, and 3300 FX switches with the easy-to-install Layer 3 module seamlessly route IP traffic between subnets. IPX, AppleTalk, and other legacy protocols will be switched within their subnet (VLAN). One SuperStack II Layer 3 module can manage routing for the entire stack.

- Extensive standards-based routing protocol support (including RIP and OSPF) enables the switches to operate in any networking environment.
- Distance Vector Multicast Routing Protocol (DVMRP) optimizes multimedia traffic delivery.

SuperStack II Switch Layer 3 module

SuperStack II Switch 1100/3300 ATM Expansion Module

The SuperStack II Switch 1100/3300 ATM expansion module provides one high-speed ATM port for connection to a high-speed ATM backbone. The port is software-configurable to run at either OC-3c (155 Mbps) or OC-12c (622 Mbps) speeds, so you can run at OC-3c speeds today and upgrade to higher OC-12c capability in the future with no additional hardware investment. The SuperStack II Switch 1100/3300 ATM expansion module delivers cost-effective functionality and performance. Advanced, built-in ATM switching and Ethernet-to-ATM internetworking features include 802.1Q Ethernet VLANs to ATM-based ELANs mapping, and Ethernet 802.1p (amendment to 802.1D) prioritization traffic to ATM Quality of Service mapping. When SuperStack II Switch 1100, 3300, or 3300 FX are configured in a stack, multiple expansion modules can provide resiliency and load sharing across all ATM ports.

- The expansion module's innovative software-configurable OC-3c/OC-12c ATM port accommodates future backbone bandwidth needs without additional hardware or software.
- The module supports industrywide ATM standards, including UNI 3.0/3.1, and 4.0 signaling and LAN Emulation (LANE) 1.0 and 2.0 for interoperability in ATM environments.

SuperStack II Switch 1100/3300 ATM Expansion module

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SuperStack II Switch 3800
10/100/1000 Mbps Ethernet Layer 3 Switching

The SuperStack II Switch 3800 offers affordable leading-edge Layer 3 switching technology for 10 times the performance of intranets. Wire-speed Layer 3 switching (IP routing) and Layer 2 switching are embedded in ASICs to forward at nonblocking speed any-to-any intranet traffic while broadcast/multicast traffic and fault propagation are kept under control in appropriate subnetworks.

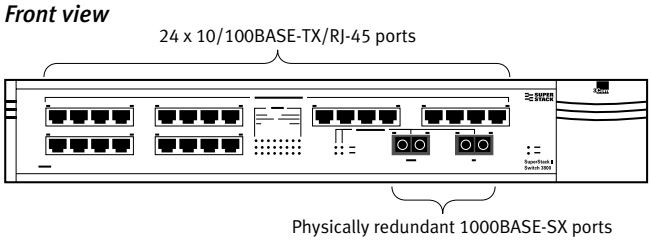
The SuperStack II Switch 3800 not only aggregates the traffic from Ethernet and Fast Ethernet workgroups to a server farm or a corporate backbone through an optional Gigabit Ethernet high-speed link, but it removes router bottlenecks that occur in corporate networks when high-speed, any-to-any intranet traffic chokes software-based legacy routers.

Key features include:

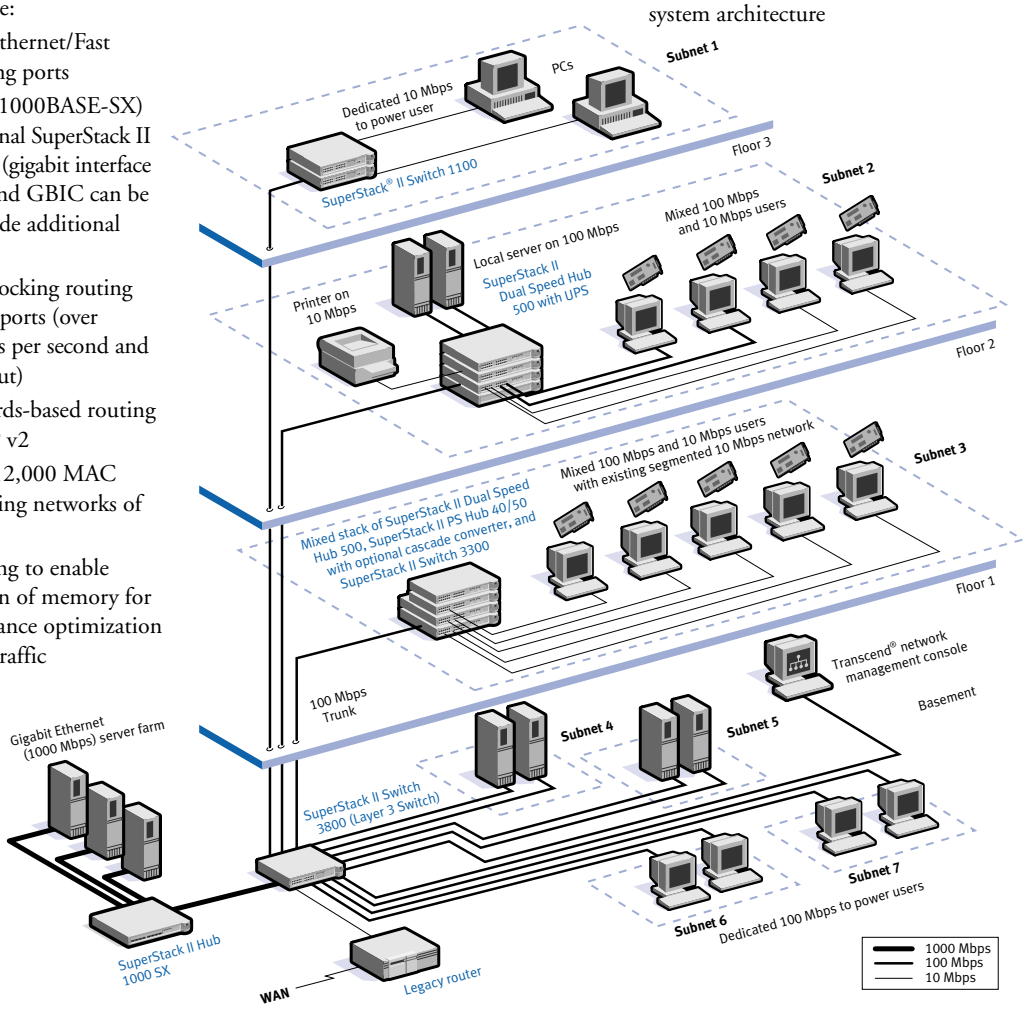
- 24 10/100 Mbps Ethernet/Fast Ethernet autosensing ports
- One Gigabit port (1000BASE-SX) enabled by an optional SuperStack II Switch 3800 GBIC (gigabit interface connector). A second GBIC can be plugged in to provide additional physical resilience.
- Full line-rate nonblocking routing performance on all ports (over 5 million IP packets per second and 8.7 Gbps throughput)
- Support for standards-based routing protocols: RIP/RIP v2
- Support for up to 12,000 MAC addresses for handling networks of virtually any size
- Elastic port buffering to enable on-the-fly allocation of memory for automatic performance optimization based on network traffic

SuperStack II Switch 3800

Front view



- IEEE 802.3x flow control on all full-duplex ports to improve performance and minimize packet losses
- Full VLAN implementation:
  - Port and tagged VLANs (802.1Q)
  - Protocol-based VLANs to allocate bandwidth and enforce management policies among different protocols (e.g., IP, IPX, NetBIOS, DECnet)
- User-definable packet filters to control traffic flows
- Support for spanning tree per VLAN
- Class of Service embedded in ASIC—PACE technology, 802.1D (incorporating 802.1p)
- RMON support for four groups
- Simplicity and scalability of 10/100/1000 Ethernet in the industry-leading SuperStack II system architecture


Subnet 1
Dedicated 10 Mbps to power user
PCs
SuperStack® II Switch 1100
Floor 3
Subnet 2
Local server on 100 Mbps
SuperStack II Dual Speed Hub 500 with UPS
Mixed 100 Mbps and 10 Mbps users
Printer on 10 Mbps
Floor 2
Subnet 3
Mixed stack of SuperStack II Dual Speed Hub 500, SuperStack II PS Hub 40/50 with optional cascade converter, and SuperStack II Switch 3300
Mixed 100 Mbps and 10 Mbps users with existing segmented 10 Mbps network
Floor 1
Transcend® network management console
Basement
100 Mbps Trunk
Gigabit Ethernet (1000 Mbps) server farm
Subnet 4
Subnet 5
SuperStack II Switch 3800 (Layer 3 Switch)
Subnet 7
Subnet 6
Dedicated 100 Mbps to power users
SuperStack II Hub 1000 SX
WAN
Legacy router
1000 Mbps
100 Mbps
10 Mbps

For a dramatic performance boost in corporate routed networks, the SuperStack II Switch 3800 delivers wire-speed IP routing embedded in ASIC technology through 10/100/1000 Mbps Layer 3 switching.

It offloads the routing of intranet traffic from slow legacy routers while keeping under control broadcast/multicast traffic and fault propagation in appropriate subnetworks.

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SuperStack II Switch 3900 and SuperStack II Switch 9300 10/100 Mbps to 1000 Mbps Gigabit Ethernet Switching

The SuperStack II Switch 3900 and the SuperStack II Switch 9300 (Gigabit Ethernet switch) constitute an industry-leading solution for high-density 10/100 Ethernet to Gigabit Ethernet switching.

SuperStack II Switch 3900

The SuperStack II Switch 3900 delivers full line-rate performance (over 9.8 million pps of switching performance) for up to 36 10/100 Mbps ports and from one to three 1000 Mbps ports. Multiple Gigabit Ethernet uplinks can be trunked together to deliver an uplink with 3 Gbps of bandwidth.

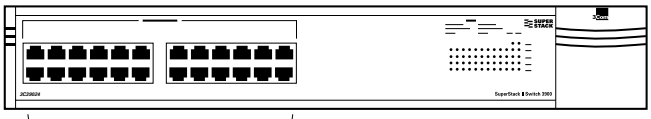
The SuperStack II Switch 3900 is available in two versions: a 24- and 36-port 10/100 Ethernet/Fast Ethernet switch. Both have one integral 1000BASE-SX port and two Gigabit Ethernet expansion slots. The rear-mounted expansion slots accept optional Gigabit Ethernet modules available for either 1000BASE-SX or 1000BASE-LX both via SC connectors. The 1000BASE-SX option supports multimode fiber links, while the 1000BASE-LX option supports single-mode fiber. The 1000BASE-LX option supports multimode fiber when used in conjunction with a conditioned launch cable.

Key features include:

- Supports up to 16,000 MAC addresses
- Multicast filtering using IGMP snooping
- Multicast throttling limits broadcasts and multicasts on a per-port basis
- Support for IEEE 802.3x flow control on all full-duplex ports
- Roving Analysis Port (RAP) for copying data from any port to another port with a network analyzer attached
- RMON support for four groups
- Fully standards-based 802.1Q VLANs, including GVRP support for automatic VLAN configuration distribution
- IEEE 802.1D (incorporating 802.1p) Class of Service support and dual priority queuing

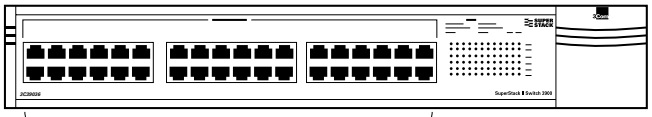
SuperStack II Switch 3900

Front view of 24 port



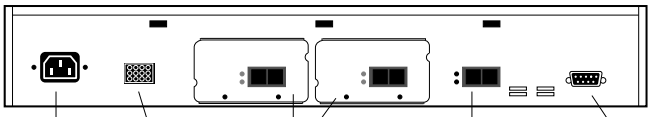
24 switched 10BASE-T/100BASE-TX RJ-45 ports

Front view of 36 port



36 switched 10BASE-T/100BASE-TX RJ-45 ports

Back view



AC connection

Advanced Redundant Power System connection

Slot for optional Gigabit Ethernet modules

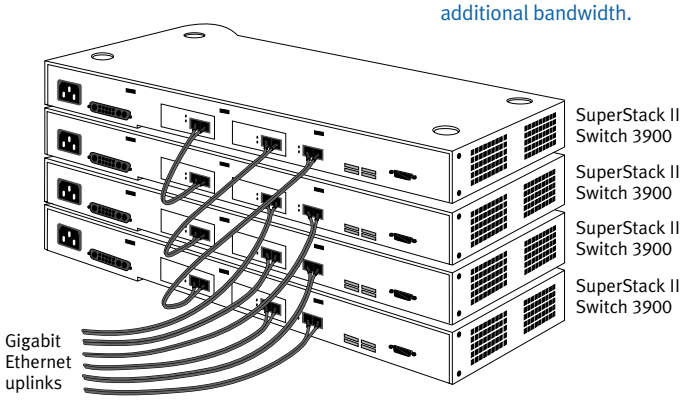
Built-in 1000BASE-SX Gigabit Ethernet port

Console port (management)

- Web browser interface for management and configuration functions
- Full line-rate nonblocking switching performance (6.6 Gbps throughput and over 9.8 million pps frame processing)
- Support for multiple Gigabit Ethernet uplinks
- Support for trunking (multiple parallel active links) on both Fast Ethernet and Gigabit Ethernet ports (up to six ports per trunk group and four trunks per unit)
- Resilient links
- Full-duplex support on all Gigabit and Fast Ethernet ports
- All Fast Ethernet ports support 10/100 and full-/half-duplex operation with autonegotiation (IEEE 802.3x)

Four SuperStack II Switch 3900s equipped with additional Gigabit Ethernet expansion modules can be grouped yielding a configuration of 144 10/100 Ethernet ports with six Gigabit Ethernet uplinks.

- Interconnect four units with dedicated Gigabit Ethernet links.
- Two additional Gigabit Ethernet option slots per switch yield six additional Gigabit Ethernet ports for uplinks or additional bandwidth.



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SuperStack II Switch 9300

The SuperStack II Switch 9300 enables practical, cost-effective, and high-performance deployment of Gigabit Ethernet as an effective interswitch, switch-to-server, and general purpose backbone technology. As the highest density Gigabit Ethernet (1000/1000 Mbps) switch available in a SuperStack II package, the SuperStack II Switch 9300 delivers full line-rate switching between its 12 Gigabit Ethernet ports to support 17.85 million pps forwarding rate and 12 Gbps full-duplex throughput. Multiple Gigabit Ethernet ports can be trunked together to deliver up to 6 Gbps interswitch link. Full line-rate Gigabit Ethernet switching is supported on all ports via 25.6 Gbps switching fabric.

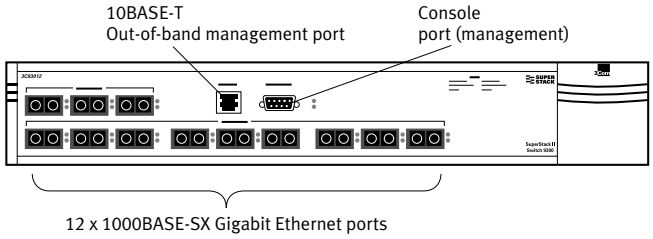
The SuperStack II Switch 9300 is available in three versions: a fixed 12-port fiber optic (12 x 1000BASE-SX) Gigabit Ethernet switch; a fixed 12-port fiber optic (10 x 1000BASE-SX and 2 x 1000BASE-LX) Gigabit Ethernet switch; and a fixed 12-port fiber optic (12 x 1000BASE-LX) Gigabit Ethernet switch. With the SuperStack II Switch 9300, you can interconnect high densities of Fast Ethernet switches that are attached to either dedicated desktops or shared segments and high-bandwidth network resources, such as servers.

Key features include:

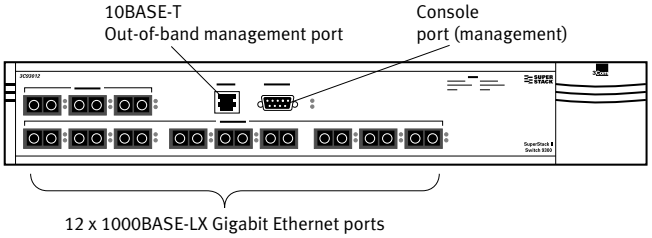
- Supports up to 16,000 MAC addresses
- Multicast filtering using IGMP snooping
- Multicast throttling limits broadcasts and multicasts on a per-port basis
- Support for IEEE 802.3x flow control on all full-duplex ports
- Roving Analysis Port (RAP) for copying data from any port to another port with a network analyzer attached
- RMON support for four groups
- Fully standards-based 802.1Q VLANs, including GVRP support for automatic VLAN configuration distribution
- IEEE 802.1D (incorporating 802.1p) Class of Service support and dual priority queuing
- Web browser interface for management and configuration functions
- Resilient links

SuperStack II Switch 9300

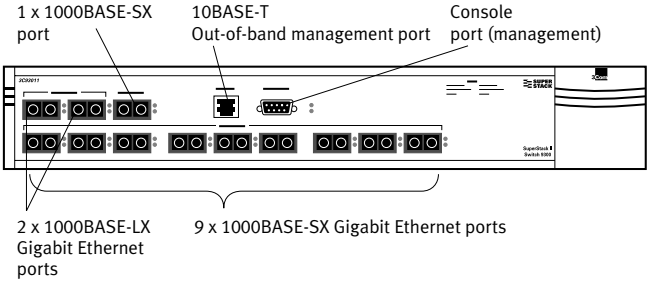
Front view of 9300 SX



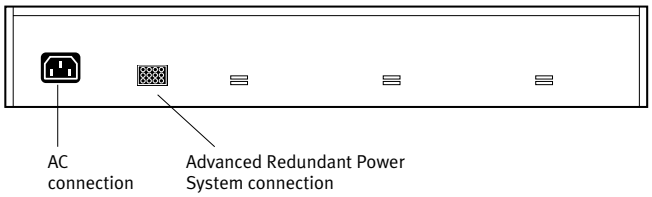
Front view of 9300 LX



Front view of 9300SX/LX



Back view



- Full line-rate nonblocking switching performance (12 Gbps throughput and over 17.8 million pps frame processing)
- Support for trunking (multiple parallel active links) on Gigabit Ethernet ports (up to six ports per trunk group and four trunks per box)
- Full-duplex support on all Gigabit Ethernet ports

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SuperStack II Switch 9000
Gigabit Ethernet Layer 3 Switching

The SuperStack II Switch 9000 offers affordable leading-edge Layer 3 switching technology for 10 times the performance of intranets. Wire-speed Layer 3 switching (IP routing) and Layer 2 switching are embedded in ASICs to forward at nonblocking speed any-to-any intranet traffic while broadcast/multicast traffic and fault propagation are kept under control in appropriate subnetworks.

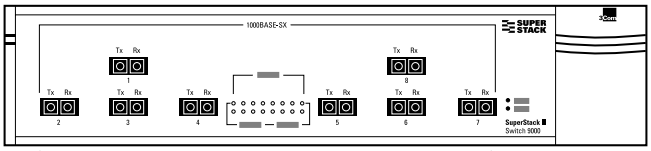
The SuperStack II Switch 9000 not only aggregates at Gigabit speed the traffic from Ethernet and Fast Ethernet workgroups, but it removes router bottlenecks that occur in corporate networks when high-speed, any-to-any intranet traffic chokes software-based legacy routers.

Key features include:

- Full line-rate nonblocking routing performance on all ports (over 11.9 million IP packets per second and 17.7 Gbps throughput)
- Support for standards-based routing protocols: RIP/RIP v2
- Eight 1000BASE-SX Gigabit ports
- Support for up to 12,000 MAC addresses for handling networks of virtually any size
- Elastic port buffering to enable on-the-fly allocation of memory for automatic performance optimization based on network traffic

SuperStack II Switch 9000

Front view

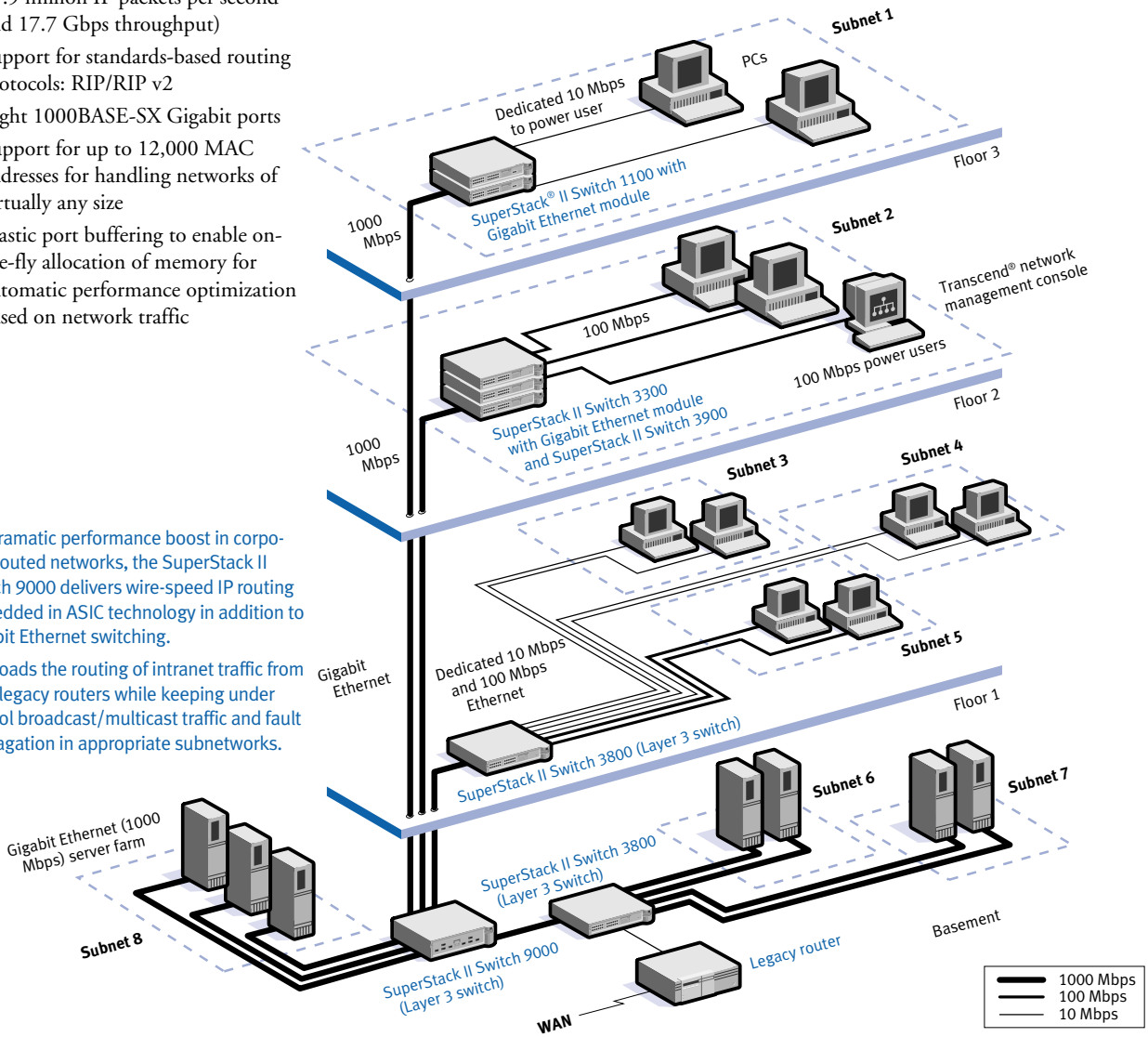


8 x 1000BASE-SX ports

- IEEE 802.3x flow control on all full-duplex ports to improve performance and minimize packet losses
- Full VLAN implementation:
  - Port and tagged VLANs (802.1Q)
  - Protocol-based VLANs to allocate bandwidth and enforce management policies among different protocols (e.g., IP, IPX, NetBIOS, DECnet)
- User-definable packet filters to control traffic flows
- Support for spanning tree per VLAN
- Class of Service embedded in ASIC PACE technology, 802.1D (incorporating 802.1p)
- RMON support for four groups
- Simplicity and scalability of 10/100/1000 Ethernet in the industry-leading SuperStack II system architecture

For dramatic performance boost in corporate routed networks, the SuperStack II Switch 9000 delivers wire-speed IP routing embedded in ASIC technology in addition to Gigabit Ethernet switching.

It offloads the routing of intranet traffic from slow legacy routers while keeping under control broadcast/multicast traffic and fault propagation in appropriate subnetworks.



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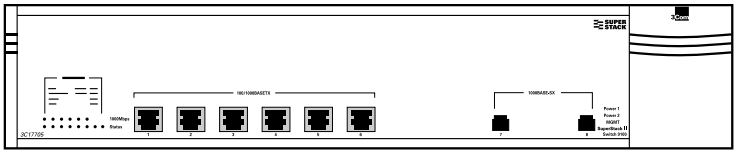
The SuperStack II Switch 9100 enables practical, cost-effective, and high-performance deployment of copper Gigabit Ethernet as an effective interswitch, switch-to-server, and general-purpose backbone technology.

Key features include:

- Supports up to 128,000 MAC addresses for handling networks of virtually any size
- Multicast filtering using IGMP snooping
- Port mirroring for copying data from any port to another port with a network analyzer attached
- RMON support for four groups
- IEEE 802.1D (incorporating 802.1p) Class of Service support and dual priority queuing
- Web browser interface for management and configuration functions
- Full line-rate nonblocking switching performance
- Support for trunking (multiple parallel active links) on Gigabit Ethernet ports (up to four ports per trunk group)
- Class of Service embedded in ASIC: PACE technology and 802.1D (incorporating 802.1p)
- Policy-based Quality of Service prioritization and allocation for traffic groups defined by topology or group of users, individual address, and physical path

SuperStack II Switch 9100

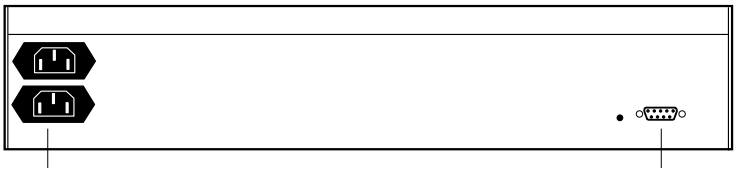
Front view



6 x 100/1000BASE-T ports

2 x 1000BASE-SX ports (MTRS connectors)

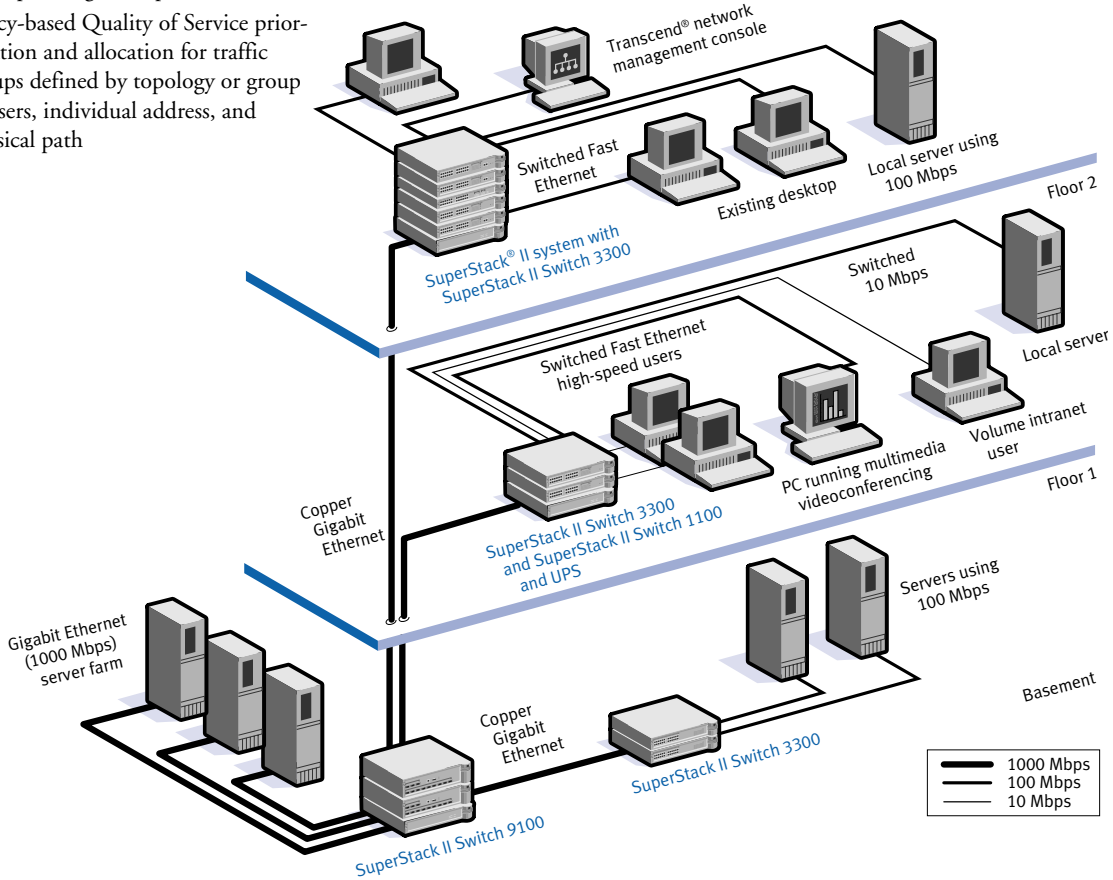
Back view



AC connectors

Console port (management)

- Simplicity and scalability of 100/1000 Ethernet in the industry-leading SuperStack II system architecture
- IEEE 802.3x flow control on all full-duplex ports to improve performance and minimize packet loss
- Full VLAN implementation:
  - Port and tagged VLANs (802.1Q)
  - Protocol-based VLANs to allocate bandwidth and enforce management policies among different protocols (e.g., IP, IPX, NetBIOS, DECnet)



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Ethernet to FDDI Switching

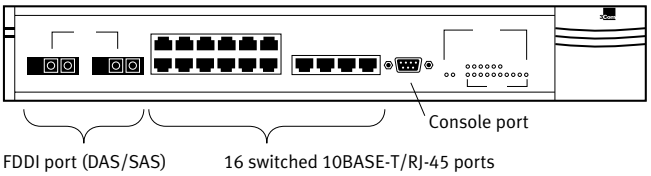
SuperStack II Switch 2200

The SuperStack II Switch 2200 is a full-featured Ethernet/FDDI switch that employs state-of-the-art RISC and ASIC-based technology for high-end workgroup performance and server/backbone connectivity. The SuperStack II Switch 2200 is the price/performance leader in its class. It provides 16 switched 10BASE-T Ethernet ports and one high-speed FDDI port for server or backbone links. The FDDI port can be configured with DAS, allowing you to set up a resilient LAN. Advanced switching features include virtual workgroups for flexible management, user-defined packet filters to control traffic flow, IP fragmentation for optimizing Ethernet/FDDI transfers, and IEEE 802.1D bridging for optimizing switching in various LAN environments.

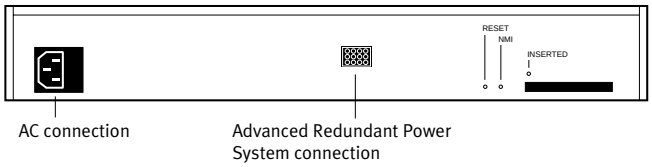
Elastic packet buffering guarantees a maximum number of buffers for each port, dynamically allocating additional buffers as needed to alleviate port congestion and minimize dropped packets during high-traffic periods. Roving Analysis Port (RAP) allows you to monitor traffic on any Ethernet port.

SuperStack II Switch 2200

Front view



Back view



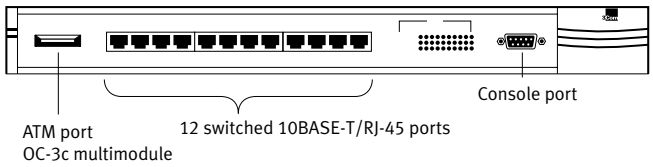
Ethernet-to-ATM Switching

SuperStack II Switch 2700

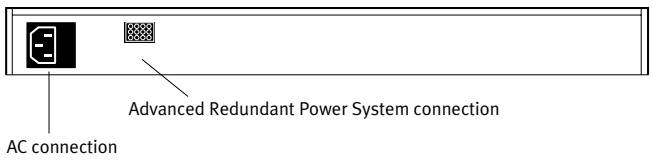
The SuperStack II Switch 2700 is a 12-port integrated Ethernet workgroup switch with the added advantage of an ATM port for high-speed backbone or server connections. The switch is ideal for workgroups that need increased bandwidth across Ethernet ports and also require a high-speed ATM downlink to an ATM campus backbone now or in the future. SuperStack II Switch 2700 future proofs your network with built-in ATM link capability, making ATM migration simple and economical. Ethernet switching operates even if the ATM port is not configured, allowing you to implement Ethernet LAN switching now and connect the LAN to an ATM backbone later. You get advanced cell-based switching without having to make changes in existing LAN devices, which protects your current network investment. The ATM port accommodates an OC-3c multimode 155 Mbps SONET/SDH interface for local and collapsed backbone ATM connections, or a DS-3 45 Mbps interface for wide-area links. Single-mode ATM offers support over long-haul distances greater than 2 kilometers. Two software-selectable options for Ethernet switching—cut-through and store-and-forward modes—offer more flexibility for network design.

SuperStack II Switch 2700

Front view



Back view



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Network Management

3Com offers a variety of network management applications matched to the scale and requirements of your network. 3Com Transcend network management applications are designed to simplify network management, increasing your network's efficiency and increasing your staff's productivity. All Transcend applications provide optimal management of your SuperStack II devices. Which application you choose will depend on the size of your network and your requirements for network management.

Small Enterprise/Small-Business Solution

3Com provides two options for managing small networks (up to 500 users): Transcend Network Supervisor and Transcend WorkGroup Manager for Windows NT.

Transcend Network Supervisor provides easy-to-use, yet powerful network monitoring tuned to the needs of small enterprises and small businesses. Less experienced network managers will find the automated operations and intelligent defaults helpful, while more experienced users will enjoy using the advanced features. An intuitive user interface focuses on the tasks and information all managers need to monitor their network. A discovery wizard finds IP devices and links. Then, the structure is automatically mapped to provide a graphical display of the network. Working from the map, you can quickly monitor network stress levels, set thresholds and alerts, view network events, generate reports, and launch device configuration tools.

Transcend WorkGroup Manager is designed for similarly sized networks and provides additional management capabilities. WorkGroup Manager supports a broader set of 3Com devices, features agent administration capabilities, and has full integration with vendor-independent HP OpenView for Windows.

Medium Enterprise Solution

Recommended for medium networks (up to 2,500 users), Transcend Enterprise Manager for Windows NT provides more robust management for 3Com's full suite of switches, hubs, and routers in a single application. Color-coded device icons, audible alarms, and connectivity testing bring simplicity to managing your network. Advanced configuration capabilities let you configure the same parameters across multiple devices with a single action and quickly and efficiently distribute new device agents across the network. A turnkey management solution, Enterprise Manager includes HP OpenView for Windows. Other core management capabilities of Transcend Enterprise Manager for Windows NT include:

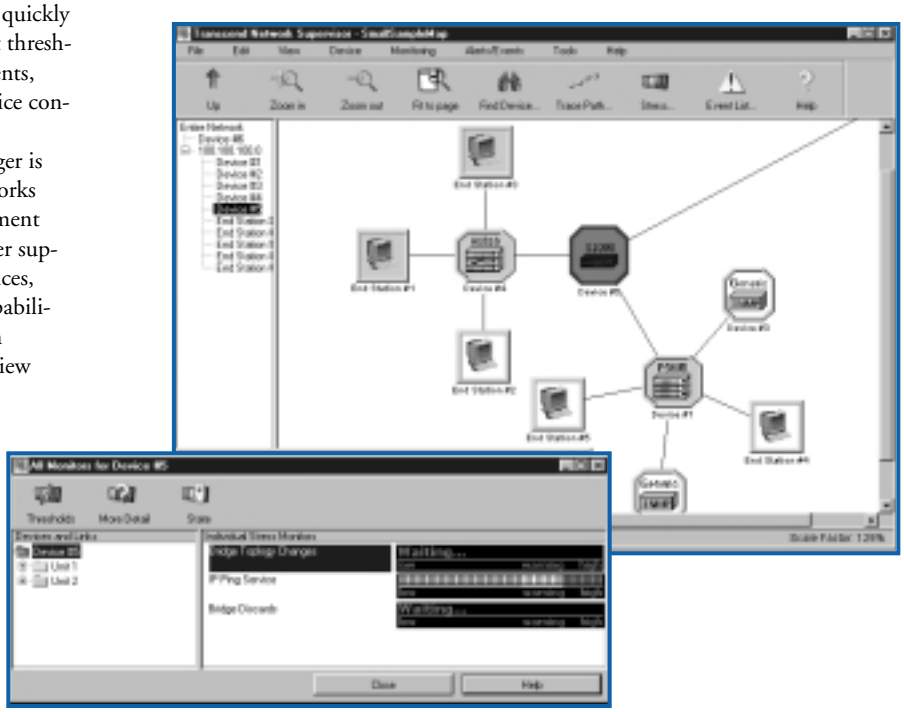
- Monitoring, analyzing, and troubleshooting using class-leading RMON management tools, including packet capture and filter
- Automatically discovering and configuring network devices
- Managing stackable products as one SuperStack II system rather than a number of separate devices
- Graphical statistics that help spot potential problems before they occur
- Preventing unauthorized access with user passwords and access levels
- Receiving automatic notification of a fault in a SuperStack II ARPS or UPS

Sophisticated Medium and Large Enterprise Solution

For management of sophisticated medium and large enterprises, 3Com offers Transcend Network Control Services. Available for both UNIX and Windows NT environments, Transcend Network Control Services delivers a superset of the functionality of Transcend Enterprise Manager, adding advanced management capabilities, such as:

- Control and configuration of ATM and VLAN networks, including use of sophisticated policy-based VLAN services
- Flexible Web-based network management, featuring monitoring, reporting, and configuring capabilities
- Advanced status polling
- Monitoring, analyzing, and troubleshooting using class-leading RMON management tools, including packet capture and filter

3Com also offers solutions for policy-based management, application flow monitoring, and service level management that will help you optimize your e-business and converged applications. For more information, visit www.3com.com/transcend.



Transcend Network Supervisor provides easy-to-use, yet powerful network monitoring.

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SuperStack II Switches at a Glance

Stackable, versatile switches—ideal solutions for workgroup management and performance

Product name	SuperStack II 10/100 Baseline Switch	SuperStack II Switch 610	SuperStack II Switch 2200	SuperStack II Switch 2700	SuperStack II Switch 1100	SuperStack II Switch 3300/33
Switching technology	N/A	10/100 Mbps Ethernet/ Fast Ethernet	Ethernet/FDDI/ Fast Ethernet	Ethernet/ATM/ ATM/Gigabit Ethernet	10/100 Mbps Ethernet/ Fast Ethernet/ATM/ Gigabit Ethernet	10/100 Mbps Et Fast Ethernet/A Gigabit Ethernet
Ethernet ports (RJ-45 connectors)	24 x 10/100BASE-TX	24 x 10BASE-T	16 x 10BASE-T	12 x 10BASE-T	24 x 10BASE-T 12 x 10BASE-T	12 x 10/100BAS 24 x 10/100BAS
Optional 10 Mbps Transceiver Interface Module	N/A	No	No	No	Yes	No
10/100 Mbps Ethernet/ Fast Ethernet ports	N/A	2 x 10/100BASE-TX	N/A	N/A	2 x 10/100BASE-TX 12 x 10/100BASE-TX	24 x 10/100BAS 2 x 10/100BASE
FDDI connectivity	N/A	N/A	One FDDI (DAS with two fiber MICs)[5]	N/A	N/A	N/A
ATM connectivity	N/A	N/A	N/A	One ATM (155 Mbps OC-3c multimode/ single-mode 11 dB SC connector) one and DS-3 45 MB	ATM OC-12c[2] ATM OC-3c	ATM OC-12c[2] ATM OC-3c
Gigabit Ethernet	N/A	N/A	N/A	N/A	1 x 1000BASE-SX optional per unit	1 x 1000BASE-S optional per uni
Optional extra high-speed links	N/A	N/A	N/A	N/A	100BASE-FX 1000BASE-SX ATM OC-12c[2] multimode	100BASE-FX 1000BASE-SX ATM OC-12c[2] multimode
Layer 3 switching support	N/A	N/A	N/A	N/A	Optional Layer 3 module[2] (RIP, OSPF, DVMRP)	Optional Layer 3 module[2] (RIP, OSPF, DVM
Forwarding method[4]	S&F	CT/S&F/Intelligent	S&F	CT/S&F[6]	CT/S&F/Intelligent	S&F
Number of MAC addresses	4,000	6,000	8,192	8,192	6,000	12,000
RMON support	N/A	Groups 1-6, 9	Roving Analysis Port (four groups)	Six groups	Groups 1-6, 9	Groups 1-6, 9
Switching engine	N/A	BRASICA 2	ISE	ZipChip™	BRASICA 2	BRASICA 2
Height	4.4 cm/1.7 in	4.4 cm/1.7 in	6.4 cm/2 1/2 in	4.4 cm/1 3/4 in	7 cm/2 3/4 in	7 cm/2 3/4 in
Width	44 cm/12 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 ir
Depth	23.5 cm/9 1/4 in	22.4 cm/8 3/5 in	36.8 cm/14 1/2 in	27.5 cm/11 in	30 cm/12 in/	30 cm/12 in
Weight	2.6 kg/5 4/5 in	4.4 kg/9 2/3 lb	4.5 kg/10 lb	2.5 kg/5 1/2 lb	4.4 kg/9 2/3 lb	4.4 kg/9 2/3 lb
Performance						
Aggregate bandwidth	Full wire speed	Full wire speed	Full wire speed	Full wire speed	Full wire speed	Full wire speed
Forwarding rate (packets per second)	1,330,000 pps	1,200,000 pps	193,440 pps	90,000 pps	1,200,000 pps	1,330,000 pps
Ethernet latency	N/A	7 µs (S&F) 35 (CT) 54 µs (CT)	30 µs	Ethernet to ATM 8 µs (S&F)	7 µs (S&F) 35 µs (CT)	N/A
High-speed port latency	N/A	8 µs (S&F)	10/25 µs[3] (S&F)	130 µs (CT)	8 µs (S&F)	8 µs (S&F) estimated
Packet buffering	32 K static RX per 10/100 Mbps port 12 port: 1600 K dynamic TX shared 24 port: 2752 K dynamic TX shared	8 K static RX per 10 Mbps port 32 K static RX per 10/100 Mbps port 1216 K dynamic TX shared across ports	1 MB total per port	192 KB per port	8 K static RX per 10 Mbps port 32 K static RX per 10/100 Mbps port 12 port: 800 K dynamic TX shared 24 port: 1216 K dynamic TX shared	32 K static RX p 10/100 Mbps p 12 port: 1600 K dynamic TX sha 24 port: 2752 K dynamic TX sha
Part number	3C16465A-24 port 3C16464A-12 port	3C16954	3C220000A	3C32700A[1]	3C16950-24 port 3C16951-12 port	3C16980-24 por 3C16981-12 por 3C16985-24 por

[1]See Ordering Information on page 28.

[2]Available Q1CY00.

[3]Nontranslational/translational

[4]CT = Cut-through, S&F = Store and Forward, ISM = intelligent switching mode

[5]Each port is also usable as a SAS connection.

[6]See page 26 for a full list of connectors.

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00 XM	SuperStack II Switch 3300 FX	SuperStack II Switch 3800	SuperStack II Switch 3900	SuperStack II Switch 9000	SuperStack II Switch 9100	SuperStack II Switch 9300
hernet/ TM/ t	Fast Ethernet/ATM/ Gigabit Ethernet	Ethernet/Fast Ethernet/ Gigabit Ethernet	10/100 Mbps Ethernet/ Fast Ethernet/Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
SE-TX or SE-TX	2 x 10/100BASE-TX	24 x 10/100 BASE-TX 100BASE-TX	24 or 36 10/100BASE-TX	N/A	N/A	1 10 Mbps for out-of-band management
	No	No	No	No	No	No
SE-TX or E-TX	8 x 100BASE-FX	24 x 10/100 BASE-TX 10/100BASE-TX	24 or 36	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	ATM OC-12c[2] ATM OC-3c	N/A	N/A	N/A	N/A	N/A
X t	1 x 1000BASE-SX optional per unit	2 optional/redundant GBIC ports	1 x 1000BASE-SX plus 2 option slots	8 x 1000BASE-SX ports	6 x 1000BASE-T plus 2 1000BASE-SX (MTRS connectors)	12 x 1000BASE-SX ports or 10 1000BASE-SX+2 1000BASE-LX
	100BASE-FX 1000BASE-SX ATM OC-12c[2] multimode	2 optional/redundant GBIC ports	1000BASE-SX & 1000BASE-LX for option slots	N/A	N/A	N/A
RP)	Optional Layer 3 module[2] (RIP, OSPF, DVMRP)	RIP/RIP v2	N/A	RIP/RIP v2	N/A	N/A
	S&F	S&F	S&F	S&F	S&F	S&F
	12,000	12,000	16,000	12,000	128,000	16,000
	Groups 1-6, 9	Four groups 1-3, 9	Groups 1-3, 9	Four groups 1-3, 9	Four groups 1-3, 9	Groups 1-3, 9
	BRASICA 2	Shared memory	SAGE	Shared memory	Shared memory	SAGE
	7 cm/2 3/4 in	8.8 cm/3 1/2 in	6.6 cm/2 3/5 in	8.8 cm/3 1/2 in	8.8 cm/3 1/2 in	6.6 cm/2 3/5 in
	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in	44 cm/17 1/4 in
	30 cm/12 in	44.5 cm/17 1/2 in	30 cm/12 in	44.5 cm/17 1/2 in	44.5 cm/17 1/2 in	30 cm/12 in
	4.4 kg/9 2/3 lb	10 kg/22.3 lb	4.5 kg/12 lb	10 kg/22.3 lb	10 kg/22.3 lb	4.5 kg/12 lb
	Full wire speed	Full wire speed	Full wire speed	Full wire speed	Full wire speed	Full wire speed
	1,330,000 pps	5,059,000 pps	9,800,000 pps	11,904,000 pps	11,904,000 pps	17,850,000 pps
	N/A	N/A	N/A	N/A	N/A	N/A 35 µs (S&F)
	8 µs (S&F)	3 µs (S&F) estimated	8 µs (S&F)	3 µs (S&F)	3 µs (S&F)	8 µs (S&F) 40 µs (CT)
er ort red red	32 K static RX per port 1152 K dynamic TX shared across ports	2 MB shared + 64 KB/port std. priority + 64 KB/ port priority port high priority	FE: 256 KB/port std. priority, 64 KB/port high priority; GE: 512 KB/ port std. priority, 128 KB/	4 MB shared + 64 KB/port std. priority + 64 KB/ port priority	4 MB shared + 64 KB/port std. priority + 64 KB/ port priority	512 KB/port std. priority, 128 KB/port high priority
t t t 3300 XM	3C16982	3C16910 3C16911 (SX interface connector)	3C39024-24 port 3C39036-36 port	3C16990	3C17705	3C3012-12 SX ports 3C93011-10 SX/ 2 LX ports 3C93010-12 LX ports

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Specifications

SuperStack II High-Performance Stackable Switches

At-a-Glance RMON Support

	SuperStack II Switches									
	Switch 610	**Switch 2200**	**Switch 2700**	**Switch 1100/ 3300/ 3300 XM**	**Switch 3300 FX**	**Switch 3800**	**Switch 3900**	**Switch 9000**	**Switch 9100**	**Switch 9300**
Statistics: Total LAN statistics	●	●	●	●	●	●	●	●	●	●
History: Time-based statistics for trend analysis	●	●		●	●	●	●	●	●	●
Alarms: Thresholding	●	●	●	●	●	●	●	●	●	●
Hosts: Statistics by MAC address	●		●	●	●					
HostTopN: Ranked statistics by MAC address	●			●	●					
Matrix: Traffic matrix showing who's talking to whom	●			●	●					
Filter: Packet-selection mechanism			●							
Packet Capture: Packet capture against filter			●							
Events: Reporting mechanism	●	●	●	●	●	●	●	●	●	●

Indicator Chart

	Baseline Switch	**Switch 610**	**Switch 2200**	**Switch 2700**	**Switch 1100/3300, Switch 3300 XM, and Switch 3300 FX**
Ethernet Port Indicators	Per port status; packet activity	Per port status; packet activity	Link, status error	Per port status; packet activity	Per port status; packet activity
Non-Ethernet Port Indicators			FDDI: Ring error	ATM: Link status, fail, activity	
Unit Status Indicators	Power	Transceiver, Power	Power	Power, fail, activity	Transceiver interface module fitted (1100 only); High-speed module (Not XM) fitted, power, fault

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Technology Supported for SuperStack II Switches

	Autosensing 10/100 Mbps Ethernet/ Fast Ethernet ports	Gigabit Ethernet	ATM	10 Mbps Ethernet ports	100 Mbps Fast Ethernet only	FDDI	Layer 3 switching
SuperStack II Baseline 10/100 Switch	●			●			
SuperStack II Switch 610	●			●			
SuperStack II Switch 2200				●		●	
SuperStack II Switch 2700			●				
SuperStack II Switch 1100	●	●	●	●			●
SuperStack II Switch 3300	●	●	●				●
SuperStack II Switch 3300 XM	●						
SuperStack II Switch 3300 FX		●	●		●		●
SuperStack II Switch 3800	●	●					●
SuperStack II Switch 3900	●	●					
SuperStack II Switch 9000		●					●
SuperStack II Switch 9100		●					
SuperStack II Switch 9300		●					

	Switch 3800	**Switch 3900**	**Switch 9000**	**Switch 9100**	**Switch 9300**
	Per port LED indicators, link status, activity	Per port status; packet activity	Per port LED indicators, link status, activity	Per port LED indicators, link status	Gigabit ports: Per port status; packet activity
				Activity	Expansion gigabit: Per port status; packet activity
	Power and management status	Power, fault	Power and management status	Power and management status	Power, fault

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Specifications

SuperStack II Switches

SuperStack II Baseline 10/100 Switch

Standards Compliance

Functional

ISO 8802/3;

IEEE 802.3 (Ethernet);

IEEE 802.3u (Fast Ethernet);

IEEE 802.3x (Flow Control)

Media Interfaces: 12/24

shielded RJ-45 TP; ARPS

connector (Type 2)

Electromagnetic

EN 55022 Class B* and Class A;

FCC Part 15 Subpart B Class A:

ICES-003 Class A; VCCI Class B*

and Class A; AS/NZS 3548

Class B* and Class A; EN 50082-1

Safety

IEC 950; UL 1950;

CSA 22.2 No. 950; EN 60950

SuperStack II Switch 610

Management

The Switch 610 can be managed locally with a Command Line Interface by connecting a terminal to the serial port or via Telnet, or graphically using the resident Web interface or with Transcend network management.

MIBs supported: Bridge MIB (RFC 1493), BootP (RFC 951).

Plus additional SuperStack II MIBs for security and resilience.

Standards Compliance

Functional

ISO 8802/3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3x (Flow Control), IEEE 802.1D (Bridging) Safety: UL 1950 2nd Edition, EN 60950:1992/A3:1995 plus ZB/ZC Deviations, CSA 22.2#950, ECMA 97, TUV GS Mark will be applied for Mexican NOM and Russian GOST safety approval.

Electromagnetic

EN 55022 Class B, FCC part 15 Class A, CSA C108.8-M1983 (A), VCCI Class 2, EN 50082-1 (IEC 801 Parts 2-4), EN 61000 -3 - 2, EN 61000 -4 - 5, ENV 50140, ENV 50141, Russian GOST EMC approval (Will be obtained after initial release.) Environmental: Shock and Vibration: EN 60068 (IEC 68) Protocols: SNMP (RFC 1157), ARP (RFC 826), IP (RFC 791), ICMP (RFC 792), UDP (RFC 768), TCP (RFC 793), TFTP (RFC 783)

SuperStack II Switch 2200

Standards Compliance

Electromagnetic

FCC Part 15,
Class A; CISPR22 Class A

Safety

UL 1950; EN 60950;
CSA 22.2 No. 950; TUV

Protocols

SNMP

SNMP protocol (RFC 1157), MIB II (RFC 1213), SNMP/FDDI MIB (RFC 1512), Ethernet MIB (RFC 1398), Bridge MIB (RFC 1463)

RFC 1157 SNMP, RFC 1212 Concise, RFC 1212 Traps, RFC 1213 MIB II

Others

RFC 783 TFTP, VT100 terminal interface protocol

SuperStack II Switch 2700

Standards Compliance

Electromagnetic

EN 55022; FCC Part 15, Class A; VDE 0871 Part 2; CISPR22

Safety

EN 60950, UL 1950,
CSA 22.2, TUV

Protocols

RFC 826 ARP, RFC 791 IP, RFC 792 ICMP, RFC 768 UDP, RFC 793 TCP. RFC 1157 SNMP, RFC 1212 Concise, RFC 1213 MIB II, RFC 1212 Traps

Others

VT100 terminal interface protocol

The SuperStack II Switch Gigabit Ethernet Modules

Management

In-band management over Ethernet/Fast Ethernet

Supports SNMP and 3Com Transcend network management applications.

MIBs supported on Gigabit Ethernet module: IETF 802.3 1757, interfaces evolution MIB RFC 1573, Bridge MIB RFC 1493

Protocols supported on Gigabit Ethernet module: SNMP RFC 1157, ARP RFC 826, IP RFC 791, ICMP RFC 792, UDP RFC 768, TCP RFC 793, TFTP RFC 783, IPX, BootP, Telnet, and options RFC 854-859

Local management via RS 232 (DB-9 port) on SuperStack II Switch 1000/Switch 3000/Desktop Switch

SuperStack II Switch 1100, SuperStack II Switch 3300, SuperStack II Switch 3300 XM, and SuperStack II Switch 3300 FX

Management

All switches support SNMP and 3Com Transcend network management applications

The Switch 1100, 3300, and 3300 FX can be managed with a Command Line Interface by connecting a terminal to the serial port or via Telnet, or graphically using the resident Web interface.

MIBs supported: New MAU MIB (RFC 2239), RMON II Probe Config (RFC 2021), RMON (RFC 1757), RS 232 MIB (RFC 1659), IfStack Table (RFC 1573), Bridge MIB (RFC 1493), SNMP MIB II (RFC 1213)

Plus additional SuperStack II MIBs for stacking, security, and resilience.

Standards Compliance

Functional

ISO 8802/3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3x (Flow Control), IEEE 802.1D (incorporating 802.1p), IEEE 802.1Q (Bridging) Safety: UL 1950 2nd Edition, EN 60950:1992/A3:1995 plus ZB/ZC Deviations, CSA 22.2#950, ECMA 97, TUV GS Mark will be applied for Mexican NOM and Russian GOST safety approval.

Electromagnetic

EN 55022 Class B, FCC part 15 Class A, CSA C108.8-M1983 (A), VCCI Class 2, EN 50082-1 (IEC 801 Parts 2-4), EN 61000 -3 - 2, EN 61000 -4 - 5, ENV 50140, ENV 50141, Russian GOST EMC approval (Will be obtained after initial release.) Environmental: Shock and Vibration: EN 60068 (IEC 68) Protocols: SNMP (RFC 1157), ARP (RFC 826), IP (RFC 791), ICMP (RFC 792), IGMP (RFC 1112), UDP (RFC 768), TCP (RFC 793), TFTP (RFC 783)

SuperStack II Switch Gigabit Ethernet Modules

Provides support for SuperStack II Switch 1100, SuperStack II Switch 3300, and SuperStack II Switch 3300 FX.

General

1000BASE-SX

1 single 850 nm fiber optic port with SC-duplex connectors full-duplex mode

1000BASE-LX

1 single 1300 nm fiber optic port with SC-duplex connectors full-duplex mode

1000BASE-T

1 single RJ-45 port with 100/1000 autosensing full-duplex mode

Standards Compliance

Functional

ISO 8802/3, IEEE 802.3 (Ethernet), IEEE 802.3x (Flow Control), IEEE 802.3z (Gigabit Ethernet), IEEE 802.1Q (VLAN Tagging), priority bits as per IEEE 802.1p

Electromagnetic

ICES-003 Class A, FCC part 15 Class A, EN 55022 Class B, VCCI Class 2, AS/NZS 3548 Class B, CISPR Class B, CNS 13438 Class A, Korean EMC approval; EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, ENV 50204

Safety

UL 1950 3rd Edition, Listed, UL listed to CSA 22.2 No. 950, TUV GS to EN 60825-1 and EN 60950:1992/A3:1995 plus ZB/ZC deviations, IEC 950 Edition 2 Amendment 4 + ALL national deviations; CB Certificate & Report to be supplied; EN 60825 -1: Class 1 Laser safety

SuperStack II Switch 3800 and Switch 9000

Management

MIBs supported: SNMP MIB II (RFC 1213), Remote Monitoring MIB (RFC 1571), Bridge MIB (RFC 1493, Evolution of the interface MIB (RFC 1573)

Standards Compliance

Electromagnetic

Switch 3800 EN 55022 Class A; Switch 9000 EN 55022 Class B; FCC Part 15 Class A, CSA C108.8-M1983 (A), VCCI Class 2 EN 50082-1 (IEC801 Parts 2-4),

EN 61000-3-2, EN 61000-4 -3, EN 61000-4 - 5, EN 61000-4 -6, EN 61000-4–11

Safety

UL 1950, EN 60825-1, CSA 22.2 No. 950, Russian GOST and EN 60950; 1992/A3: 1995 plus ZB/ZC Deviations.

Protocols

SNMP (RFC 1157), ARP (RFC 826), IP (RFC 791), ICMP (RFC 792), UDP (RFC 768), TCP (RFC 793), TFTP (RFC 783), Telnet (RFC 854), BootP (RFC 951).

Management Information Bases (MIBs)

MIB II RFC 1213, Remote Monitoring MIB RFC 1571, Bridge MIB, RFC 1493, Evolution of the interface MIB RFC 1573

SuperStack II Switch 3900

Standards Compliance

Functional

ISO 8802/3, IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3x (Flow Control), IEEE 802.1D (Bridging)

Electromagnetic

FCC Part 15 Class A, CISPR22 Class A

Operational shock

10G; operational sine vibration—5-500 cycles; operational random vibration—up to 2000 cycles

Safety

UL 1950; EN 60950; CSA 22.2 No. 950, CB Report, TUV GS Mark

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Protocols

RFC 826 ARP, RFC 791 IP, RFC 792 ICMP, RFC 768 UDP, RFC 793 TCP, RFC 783 TFTP IPX, BootP. RFC 1157 SNMP. RFC 854-859

Telnet options, RFC 1213 MIB II. RFC 1757 RMON; RFC 1493 Bridge MIB, RFC 1516 IETF 802.3, IfStack-Table RFC 1573 MIB V1.

SuperStack II Switch 9100

Management

MIBs supported: SNMP MIB II (RFC 1213), Remote Monitoring MIB (RFC 1571), Bridge MIB (RFC 1493, Evolution of the interface MIB (RFC 1573)

Standards Compliance

Electromagnetic

Switch 3800 EN 55022 Class A; Switch 9000 EN 55022 Class B; FCC Part 15 Class A, CSA C108.8-M1983 (A), VCCI Class 2 EN 50082-1 (IEC801 Parts 2-4),

EN 61000-3-2, EN 61000-4 -3, EN 61000-4 - 5, EN 61000-4 -6, EN 61000-4–11

Safety

UL 1950, EN 60825-1, CSA 22.2 No. 950, Russian GOST and EN 60950; 1992/A3: 1995 plus ZB/ZC Deviations.

Protocols

SNMP (RFC 1157), ARP (RFC 826), IP (RFC 791), ICMP (RFC 792), UDP (RFC 768), TCP (RFC 793), TFTP (RFC 783), Telnet (RFC 854), BootP (RFC 951).

Management Information Bases (MIBs)

MIB II RFC 1213, Remote Monitoring MIB RFC 1571, Bridge MIB, RFC 1493, Evolution of the interface MIB RFC 1573

SuperStack II Switch 9300

Standards Compliance

Functional

IEEE 802.3x (Flow Control) IEEE 802.1 (Bridging)

Electromagnetic

FCC Part 15 Class A, CISPR22 Class A

Operational shock

10G; operational sine vibration—5-500 cycles; operational random vibration—up to 2000 cycles

Safety

UL 1950; EN 60950; CSA 22.2 No. 950, CB Report, TUV GS Mark

Protocols

RFC 826 ARP, RFC 791 IP, RFC 792 ICMP, RFC 768 UDP, RFC 793 TCP, RFC 783 TFTP IPX, BootP. FC 1157 SNMP. RFC 854-859

Telnet options, RFC 1213 MIB II. RFC 1757 RMON; RFC 1493 Bridge MIB, RFC 1516 IETF 802.3, IfStack-Table RFC 1573 MIB V1.

SuperStack Switch II Layer 3 Module

Standards Compliance

Electromagnetic

EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, ENV 50204, IECS-003 CLASS A, FCC PART 15 CLASS A, EN 55022 CLASS A, VCCI CLASS A, AS/NZS 3548 CLASS A, EN 61000-3-2, EN 61000-3-3, CNS 13438 CLASS A, Korean EMI CLASS A

Safety

EN 60950 1992/A4: 1996 plus ZB/ZC Deviations, IEC 950 Edition 2 Amendment 4 plus all national deviations, CB Report to be upgraded, CSA 22.2 No. 950-95, UL 1950 3rd edition, NOM-019 SCFI, AS/NZS 3260

Protocols

SNMP (RFC 1157), MIB II (RFC 1213), BootP (RFC 951), Telnet (RFC 854), OSPF (RFC 1253), RIP (RFC 1053), DVMRP (RFC 1075), IGMP (RFC 1112), ICMP (RFC 972)

Warranty Summary

The SuperStack II Switch 610, 1100, 3300, and 3300 FX are covered by 3Com's +5 lifetime limited warranty. The +5 lifetime limited warranty provides a full 5 years of advanced hardware exchange from your date of purchase in accordance with the 3Com standard terms and conditions. To qualify, you must submit the appropriate product warranty registration card to 3Com. After the initial 5-year period, the warranty reverts to the 3Com standard lifetime limited warranty. The +5 lifetime limited warranty is not offered or is void where restricted or prohibited by law.

All other SuperStack II switches and modules are covered by 3Com's one-year limited warranty.

Free Telephone Technical Support for 90 Days

All SuperStack II switches come with free telephone technical support for 90 days. For further information, visit our Web site at http://support.3com.com/warranty/websmeqa.html.

Knowledgebase Web Service

Provides immediate around-the-clock access to technical information on 3Com products. Located at http://knowledgebase.3com.com.

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Ordering Information

SuperStack II Baseline 10/100 Mbps Switch (12 port)	3C16464A
SuperStack II Baseline 10/100 Mbps Switch (24 port)	3C16465A
SuperStack II Switch 610	3C16954
SuperStack II Switch 2200 (1 FDDI DAS MIC)	3C220000A
SuperStack II Switch 2700 (OC-3c multimode/single-mode, short-reach ATM interface)	3C32711A
SuperStack II Switch 2700 (OC-3c multimode ATM interface)	3C32700A
SuperStack II Switch 2700 (DS-3 ATM interface)	3C32710A
SuperStack II Switch 2700 (TLI)	3C32730A
SuperStack II Switch 1100 (12 port)	3C16951
SuperStack II Switch 1100 (24 port)	3C16950
SuperStack II Switch 3300 (12 port)	3C16981
SuperStack II Switch 3300 (24 port)	3C16980
SuperStack II Switch 3300 XM (24 port)	3C16985
SuperStack II Switch 3300 FX	3C16982
SuperStack II Switch 3800	3C16910
SuperStack II Switch 3900 (24 port)	3C39024
SuperStack II Switch 3900 (36 port)	3C39036
SuperStack II Switch 9000	3C16990
SuperStack II Switch 9100	3C17705
SuperStack II Switch 9300 (12 Port SX)	3C93012
SuperStack II Switch 9300 (10 SX/2 LX)	3C93011
SuperStack II Switch 9300 (12 port LX)	3C93010

High-Speed Modules and Accessories for SuperStack II Switch 1100, Switch 3300, and Switch 3300 FX

Switch Matrix Module	3C16960
Switch Matrix Cable	3C16965
Switch 100BASE-FX Module	3C16970
Switch 100BASE-FX Dual Module	3C16971
Switch 1000BASE-LX Module	3C16973
Switch 1000BASE-SX Module	3C16975
Switch 1000BASE-T Module	3C16978
SuperStack II Switch 1100/3300 ATM Expansion Module (one OC-3c/OC-12c multimedia port)	3C16977

Layer 3 Module for SuperStack II Switch 1100, Switch 3300, and Switch 3300 FX

SuperStack II Switch Layer 3 Module	3C16968

High-Speed Interface Connector for SuperStack II Switch 3800

SuperStack II Switch 3800 (1000BASE-SX Interface Connector)	3C16911

High-Speed Modules for SuperStack II Switch 3900

SuperStack II Switch 3900 (1000BASE-SX Module)	3C39001
SuperStack II Switch 3900 (1000BASE-LX Module)	3C39002

Transceiver Interface Modules for SuperStack II Desktop Switch, SuperStack II Switch 1000 (12 and 24 Port), Switch 1100 (12 and 24 Port)

AUI Transceiver Interface Module (one female AUI)	3C1206-0
10 Mbps Fan Out Transceiver (male AUI)	3C1206-4
10 Mbps Fiber Optic 10BASE-FL (ST)	3C1206-5
10 Mbps Coaxial Transceiver 10BASE2 (BNC)	3C1206-6
10 Mbps TP Transceiver 10BASE-T (RJ-45)	3C12063
10 Mbps Fiber Optic 10BASE-FB (ST) (10 Mbps)	3C12067

Transcend Management

Transcend Network Control Services for UNIX	3C27850G
Transcend Network Control Services for Windows NT	3C81400A
Transcend Enterprise Manager for Windows NT	3C15010H
Transcend WorkGroup Manager for Windows	3C15000I
Transcend Network Supervisor (Shipped with SuperStack II managed hubs or can be downloaded from the Web at www.3com.com/tns)	

Power Supply Systems

SuperStack II ARPS	3C16071
SuperStack II ARPS Power Module Type 2	3C16074
SuperStack II ARPS Y-Cable Type 2	3C16078
SuperStack II UPS (U.S.)	3C16010
SuperStack II UPS (Int'l)	3C16011
SuperStack II UPS (Japan)	3C16012

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